

Converting Colors

XYZ(52.5667, 67.6834,
104.9014)

Have a look what the booklet for
XYZ(52.5667, 67.6834, 104.9014)
contains.

XYZ(52.7323, 67.9365, 104.9415)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.7323, 67.9365,
104.9415)**

Conversions

Conversions Part 1

Format	Color
Hex	69E8FF
RGB	105, 232, 255
RGB Percent	41%, 91%, 100%
CMY	0.5882, 0.0902, 0.0000
CMYK	0.59, 0.09, 0.00, 0.00
HSL	189°, 100%, 71%
HSV	189°, 59%, 100%
XYZ	52.7323, 67.9365, 104.9415
YIQ	196.6490, -83.0750, -19.7710

Conversions

Conversions Part 2

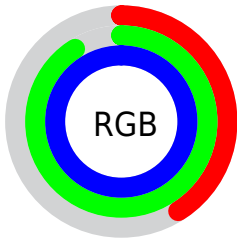
Format	Color
RYB	105, 174, 255
Decimal	6940927
CIELab	85.97, -28.70, -21.74
CIELCh	86, 36.001, 217.145
Yxy	67.9365, 0.2337, 0.3011
Android (android.graphics.Color)	4285131007 (0xFF69E8FF)
YUV	196.6490, 28.7670, -80.3762
Hunter-Lab	82.4236, -30.0420, -17.7913

Details

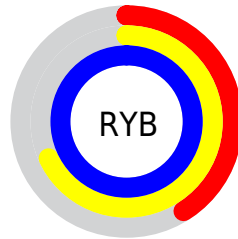
The XYZ color **52.7323, 67.9365, 104.9415** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.5099, 37.7195, 17.9323**, and the grayscale version is **52.7295, 55.4755, 60.4129**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **25.9869, 35.2663, 58.8635** is the 20% darker color. If you saturate the color by 10%, you get **49.0861, 64.4426, 104.4593**, and if you desaturate by 10%, it is **57.3044, 71.9470, 105.4746**.

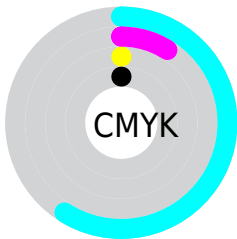
Distribution



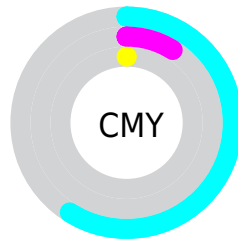
- Red (41%)
- Green (91%)
- Blue (100%)



- Red (41%)
- Yellow (68%)
- Blue (100%)



- Cyan (59%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7323, 67.9365, 104.9415 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 52.7323, 67.9365, 104.9415 by changing the saturation by 10% instead.

52.7323, 67.9365,
104.9415

52.7323, 67.9365,
104.9415

387.5349,
453.2710, 597.3035

37.8157, 49.8461,
79.7940

93.3782, 116.2613,
170.0424

26.0163, 35.2911,
59.0237

119.8382,
147.2645, 210.8328

16.9686, 23.8872,
42.2120

150.8768,
183.3407, 257.6747

10.3072, 15.2500,
28.9405

186.8592,
224.8743, 310.9864

5.6670, 8.9950,
18.7907

228.1509,
272.2497, 371.1867

2.6824, 4.7379,
11.3438

275.1172,

0.9881, 2.0943,

325.8514, 438.6939

6.1815

328.1234,
386.0637, 513.9267

■ 0.0000, 0.6614,
2.8852

■ 0.0000, 0.0000,
1.0363

■ 52.7323, 67.9365,
104.9415

■ 52.7323, 67.9365,
104.9415

■ 49.0861, 64.4426,
104.4593

■ 57.3044, 71.9470,
105.4746

■ 46.2770, 61.4150,
104.0230

■ 62.8697, 76.5045,
106.0610

■ 44.2083, 58.8049,
103.6282

■ 69.4955, 81.6456,
106.7041

■ 42.7372, 56.5385,
103.2683

■ 77.2416, 87.4013,
107.4068

■ 42.5813, 56.2826,
103.2271

■ 86.1634, 93.8003,
108.1717

95.0500, 100.0000,
108.9000

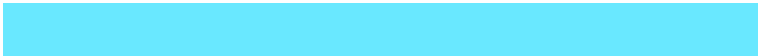
Harmonies

Analogous

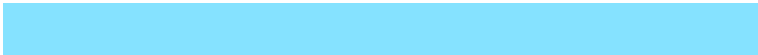
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.0734, 67.9365, 79.7683



52.7323, 67.9365, 104.9415



58.6032, 67.9365, 124.2408

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.7323, 67.9365, 104.9415



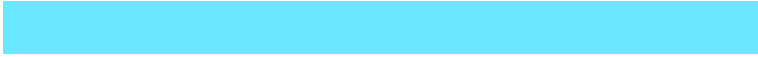
80.3233, 67.9365, 93.0607



62.6182, 67.9365, 37.4247

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52.7323, 67.9365, 104.9415



51.5099, 37.7195, 17.9323

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.9321, 67.9365, 39.5031



52.7323, 67.9365, 104.9415



81.6286, 67.9365, 68.4622

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.7323, 67.9365, 104.9415



74.6338, 67.9365, 116.4248



78.0623, 67.9365, 49.7861



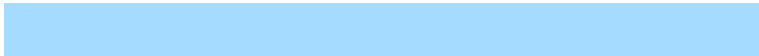
55.4571, 67.9365, 43.3413

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.7323, 67.9365, 104.9415



63.7846, 67.9365, 129.2681



78.0623, 67.9365, 49.7861



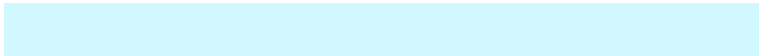
65.3651, 67.9365, 37.2368

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52.7342, 67.9389, 104.9419



77.9287, 87.9018, 107.4672



45.4504, 76.0693, 32.5395



16.1661, 18.4389, 22.9570



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.7342, 67.9389, 104.9419



48.4055, 63.7445, 104.3604



36.0192, 34.5089, 99.3702



18.3037, 19.9789, 23.1416



22.3392, 29.5879, 53.9682



2.2364, 3.0034, 5.2751

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



60.8583, 37.1911, 80.3176



57.5840, 31.7103, 75.9339



65.0289, 64.7574, 22.4387



18.6659, 18.2497, 22.1239



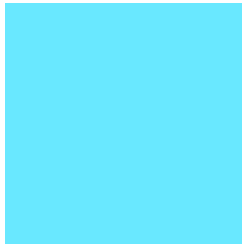
28.0640, 13.7149, 35.3170



2.7634, 1.3477, 3.6016

Previews

White Background



This preview shows how the XYZ color 52.7323, 67.9365, 104.9415 looks on a white background.

Color Contrast Check

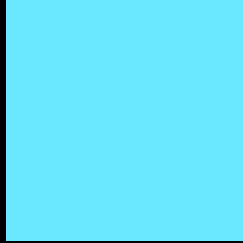
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 52.7323, 67.9365, 104.9415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

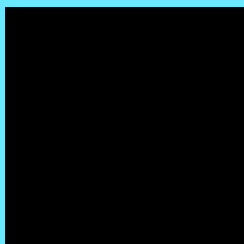
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.7323, 67.9365, 104.9415

Background



This preview shows how black text looks on a background with the XYZ color 52.7323, 67.9365, 104.9415.

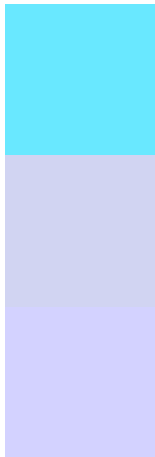


This preview shows how white text looks on a background with the XYZ color 52.7323, 67.9365,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52.7323, 67.9365, 104.9415

Protanopia

65.8650, 67.0531, 93.4755

Deuteranopia

67.9606, 67.1621, 103.9894



Tritanopia

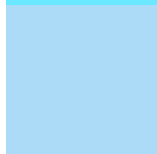
52.1450, 68.1264, 101.6682

Trichromacy



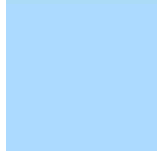
Original Color

52.7323, 67.9365, 104.9415



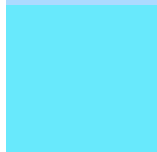
Protanomaly

58.9146, 66.0364, 97.6368



Deuteranomaly

60.1347, 66.1335, 104.2033



Tritanomaly

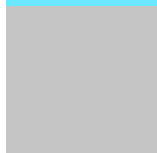
52.4185, 68.2492, 102.5061

Monochromacy



Original Color

52.7323, 67.9365, 104.9415



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.0113, 59.0477, 75.0384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7323, 67.9365, 104.9415 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(105, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 232, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(105, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.7323, 67.9365, 104.9415 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 232, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(105, 232, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(105, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7323, 67.9365, 104.9415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 232, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(105,  
232, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor