

Converting Colors

XYZ(52.3972, 65.3361,
102.7780)

Have a look what the booklet for
XYZ(52.3972, 65.3361, 102.7780)
contains.

XYZ(52.3972, 65.3361, 102.7780)	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(52.3972, 65.3361,
102.7780)**

Conversions

Conversions Part 1

Format	Color
Hex	76E2FD
RGB	118, 226, 253
RGB Percent	46%, 89%, 99%
CMY	0.5372, 0.1137, 0.0078
CMYK	0.53, 0.11, 0.00, 0.01
HSL	192°, 97%, 73%
HSV	192°, 53%, 99%
XYZ	52.3972, 65.3361, 102.7780
YIQ	196.7860, -73.0350, -14.4990

Conversions

Conversions Part 2

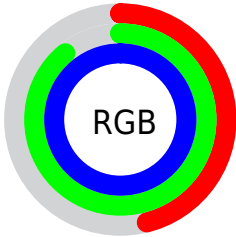
Format	Color
RYB	118, 178, 253
Decimal	7791357
CIELab	84.66, -23.89, -22.64
CIELCh	85, 32.914, 223.469
Yxy	65.3361, 0.2376, 0.2963
Android (android.graphics.Color)	4285981437 (0xFF76E2FD)
YUV	196.7860, 27.7135, -69.0953
Hunter-Lab	80.8307, -25.7441, -18.8070

Details

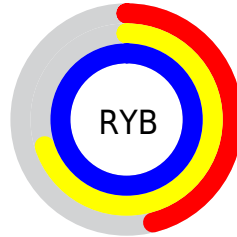
The XYZ color **52.3972, 65.3361, 102.7780** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **53.9050, 42.4433, 22.4929**, and the grayscale version is **52.8136, 55.5640, 60.5092**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **25.7038, 33.4388, 57.3242** is the 20% darker color. If you saturate the color by 10%, you get **48.0560, 61.0870, 102.1878**, and if you desaturate by 10%, it is **57.7044, 70.1463, 103.4279**.

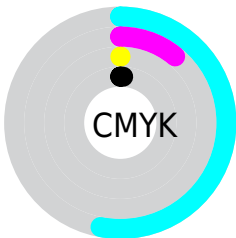
Distribution



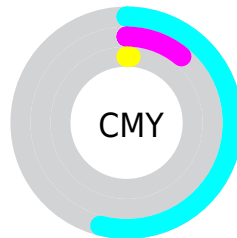
- Red (46%)
- Green (89%)
- Blue (99%)



- Red (46%)
- Yellow (70%)
- Blue (99%)



- Cyan (53%)
- Magenta (11%)
- Yellow (0%)
- Black (1%)





- Cyan (54%)
- Magenta (11%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3972, 65.3361, 102.7780 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 52.3972, 65.3361, 102.7780 by changing the saturation by 10% instead.


 52.3972, 65.3361,
102.7780


 52.3972, 65.3361,
102.7780


386.2669,
443.9988, 590.3855


 37.5473, 47.7337,
77.9928


 92.8875, 112.5329,
167.0546

 25.8072, 33.6160,
57.5517


 119.2587,
142.8961, 207.3832

 16.8114, 22.5988,
41.0360


 150.2010,
178.2817, 253.7299

 10.1945, 14.2975,
28.0273

186.0798,
219.0740, 306.5134

 5.5914, 8.3279,
18.1070

227.2604,
265.6575, 366.1522

 2.6365, 4.3055,
10.8566

274.1082,

 0.9646, 1.8459,

318.4165, 433.0647

5.8575

326.9886,
377.7355, 507.6697

■ 0.0000, 0.5155,
2.6913

■ 0.0000, 0.0000,
0.9390

■ 52.3972, 65.3361,
102.7780

■ 52.3972, 65.3361,
102.7780

■ 48.0560, 61.0870,
102.1878

■ 57.7044, 70.1463,
103.4279

■ 44.5987, 57.3519,
101.6491

■ 64.0387, 75.5454,
104.1362

■ 41.9396, 54.0875,
101.1592

■ 71.4636, 81.5680,
104.9073

■ 39.9721, 51.2385,
100.7129

■ 80.0353, 88.2435,
105.7441

■ 38.9451, 49.5224,
100.4358

■ 89.8062, 95.5995,
106.6490

94.7298, 99.8719,
107.2141

Harmonies

Analogous

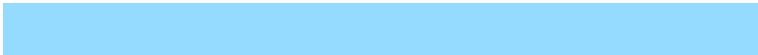
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3445, 65.3361, 80.9906



52.3972, 65.3361, 102.7780



58.1648, 65.3361, 117.4266

Triad

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



52.3972, 65.3361, 102.7780



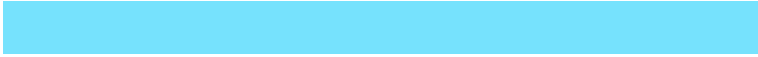
76.6585, 65.3361, 83.2894



58.8658, 65.3361, 38.5903

Complementary

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



52.3972, 65.3361, 102.7780



53.9050, 42.4433, 22.4929

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.



66.2088, 65.3361, 38.9638



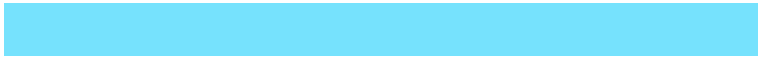
52.3972, 65.3361, 102.7780



76.8836, 65.3361, 62.1222

Square

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



52.3972, 65.3361, 102.7780



72.3396, 65.3361, 104.7446



72.9323, 65.3361, 46.7686



52.8754, 65.3361, 45.6220

Rectangle

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



52.3972, 65.3361, 102.7780



62.9592, 65.3361, 119.6739



72.9323, 65.3361, 46.7686



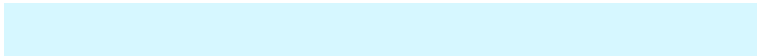
61.2487, 65.3361, 37.9033

Sweetspot

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



52.3993, 65.3386, 102.7796



79.0519, 87.9702, 107.4212



47.5373, 76.0792, 38.0689



16.5288, 18.5257, 22.9546



0.0000, 0.0000, 0.0000



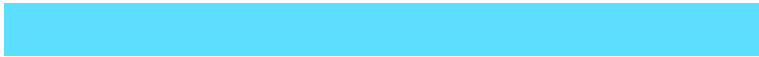
20.3446, 21.4041, 23.3091

Same Dimension

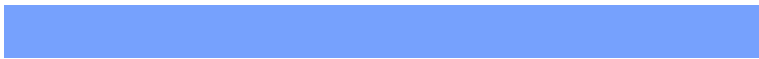
The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.3993, 65.3386, 102.7796



48.6610, 61.9197, 103.9947



37.9040, 36.3481, 97.9478



18.2281, 19.8279, 23.1164



20.8230, 26.5555, 53.4628



2.1022, 2.7350, 5.2304

Inverse Universe

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



60.7157, 39.3325, 76.3459



58.2831, 34.1730, 72.8855



66.8881, 68.4093, 26.8205



18.6278, 18.2344, 21.9231



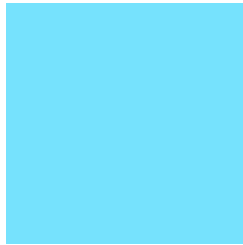
27.2987, 13.4088, 31.2870



2.6957, 1.3206, 3.2449

Previews

White Background



This preview shows how the XYZ color 52.3972, 65.3361, 102.7780 looks on a white background.

Color Contrast Check

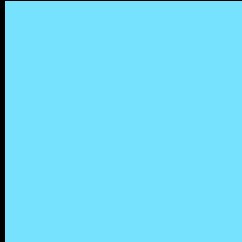
Large Text (above 18pt) WCAG AA × Fail

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 52.3972, 65.3361, 102.7780 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 52.3972, 65.3361, 102.7780

Background



This preview shows how black text looks on a background with the XYZ color 52.3972, 65.3361, 102.7780.



This preview shows how white text looks on a background with the XYZ color 52.3972, 65.3361,

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

52.3972, 65.3361, 102.7780

Protanopia

63.3349, 64.3000, 92.2921

Deuteranopia

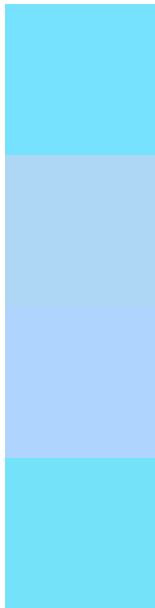
65.8534, 64.6280, 103.6113



Tritanopia

51.1739, 65.2368, 97.0836

Trichromacy



Original Color

52.3972, 65.3361, 102.7780

Protanomaly

58.0154, 64.0777, 95.6967

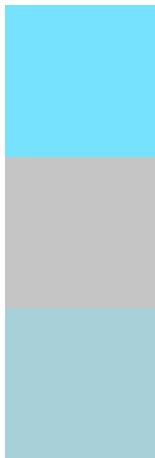
Deuteranomaly

59.3628, 63.8582, 102.9630

Tritanomaly

51.7704, 65.4907, 99.5349

Monochromacy



Original Color

52.3972, 65.3361, 102.7780

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.2287, 58.4463, 74.2269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3972, 65.3361, 102.7780 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(118, 226, 253)` looks like.

```
.text, #text, p{  
    color:rgb(118, 226, 253)  
}
```

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(118, 226, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 226, 253) }
```

Border

The CSS property to change the border of an element to XYZ 52.3972, 65.3361, 102.7780 is called "border". The border property can be set on classes, ids or directly on the HTML element.

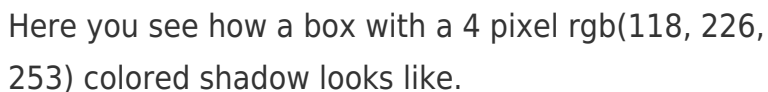
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 226, 253) }
```


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

```
.border{ border-color:rgb(118, 226, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 226, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 226, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 226, 253); box-shadow:4px 4px 4px 4px rgb(118, 226, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3972, 65.3361, 102.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 226, 253) }
```

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

```
.background{ background-color: rgb(118,  
226, 253) }
```

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