

Converting Colors

XYZ(53.2580, 64.8573,
106.2833)

Have a look what the booklet for
XYZ(53.2580, 64.8573, 106.2833)
contains.

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Color

**XYZ(52.8740, 64.7423,
104.3175)**

Conversions

Conversions Part 1

Format	Color
Hex	7BE0FF
RGB	123, 224, 255
RGB Percent	48%, 88%, 100%
CMY	0.5176, 0.1216, 0.0000
CMYK	0.52, 0.12, 0.00, 0.00
HSL	194°, 100%, 74%
HSV	194°, 52%, 100%
XYZ	52.8740, 64.7423, 104.3175
YIQ	197.3350, -70.1470, -11.7710

Conversions

Conversions Part 2

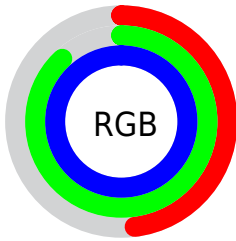
Format	Color
R _Y B	123, 180, 255
Decimal	8118527
CIE Lab	84.35, -21.33, -24.15
CIE LCh	84, 32.218, 228.545
Yxy	64.7423, 0.2382, 0.2917
Android (android.graphics.Color)	4286308607 (0xFF7BE0FF)
YUV	197.3350, 28.4288, -65.1918
Hunter-Lab	80.4626, -23.5127, -20.5440

Details

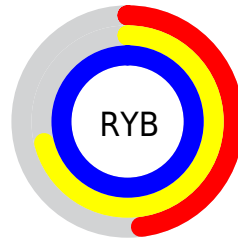
The XYZ color **52.8740, 64.7423, 104.3175** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.3715, 45.8021, 24.6104**, and the grayscale version is **53.1390, 55.9064, 60.8820**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **26.1259, 33.3527, 58.4868** is the 20% darker color. If you saturate the color by 10%, you get **48.1092, 59.9401, 103.6417**, and if you desaturate by 10%, it is **58.6490, 70.1523, 105.0574**.

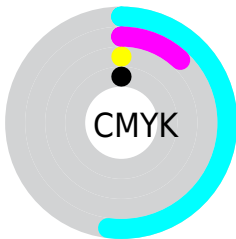
Distribution



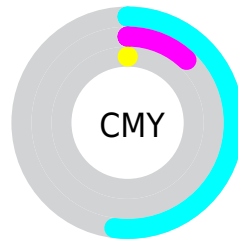
- Red (48%)
- Green (88%)
- Blue (100%)



- Red (48%)
- Yellow (71%)
- Blue (100%)



- Cyan (52%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8740, 64.7423, 104.3175 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 52.8740, 64.7423, 104.3175 by changing the saturation by 10% instead.

52.8740, 64.7423,
104.3175

52.8740, 64.7423,
104.3175

388.0703,
441.8653, 595.3126

37.9293, 47.2521,
79.2742

93.5856, 111.6793,
169.1813

26.1048, 33.2350,
58.5987

120.0831,
141.8949, 209.8389

17.0351, 22.3066,
41.8722

151.1623,
177.1211, 256.5384

10.3550, 14.0823,
28.6764

187.1885,
217.7424, 309.6983

5.6990, 8.1779,
18.5927

228.5270,
264.1430, 369.7371

2.7019, 4.2090,
11.2025

275.5432,

0.9981, 1.7912,

316.7075, 437.0734

6.0873

328.6026,
375.8201, 512.1257

■ 0.0000, 0.4817,
2.8286

■ 0.0000, 0.0000,
1.0078

■ 52.8740, 64.7423,
104.3175

■ 52.8740, 64.7423,
104.3175

■ 48.1092, 59.9401,
103.6417

■ 58.6490, 70.1523,
105.0574

■ 44.2732, 55.6985,
103.0252

■ 65.4965, 76.1987,
105.8635

■ 41.2803, 51.9741,
102.4640

■ 73.4803, 82.9168,
106.7395

■ 39.0254, 48.7116,
101.9532

■ 82.6571, 90.3365,
107.6879

■ 37.5916, 46.3032,
101.5639

■ 93.0801, 98.4860,
108.7116

95.0500, 100.0000,
108.9000

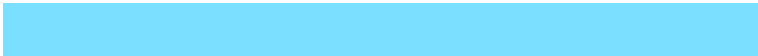
Harmonies

Analogous

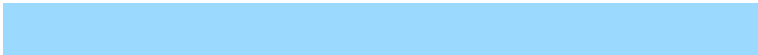
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3983, 64.7423, 83.7740



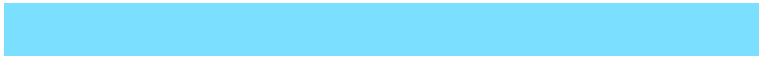
52.8740, 64.7423, 104.3175



58.8449, 64.7423, 116.5603

Triad

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



52.8740, 64.7423, 104.3175



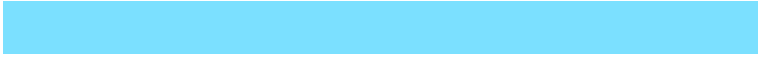
76.0195, 64.7423, 78.6072



57.2653, 64.7423, 39.3619

Complementary

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



52.8740, 64.7423, 104.3175



56.3715, 45.8021, 24.6104

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.



64.3071, 64.7423, 38.5135



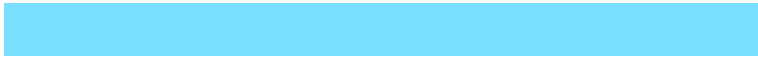
52.8740, 64.7423, 104.3175



75.5140, 64.7423, 58.6962

Square

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



52.8740, 64.7423, 104.3175



72.4269, 64.7423, 99.9100



71.0950, 64.7423, 44.9069



51.7949, 64.7423, 47.5046

Rectangle

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



52.8740, 64.7423, 104.3175



63.6013, 64.7423, 117.0467



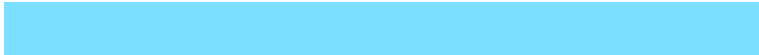
71.0950, 64.7423, 44.9069



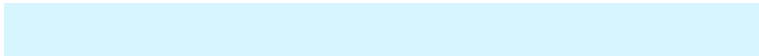
59.5152, 64.7423, 38.2818

Sweetspot

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



52.8758, 64.7446, 104.3179



78.6193, 87.1048, 107.2770



49.7456, 78.0580, 42.9313



16.4249, 18.3180, 22.9200



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.



52.8758, 64.7446, 104.3179



48.0077, 59.8330, 103.6264



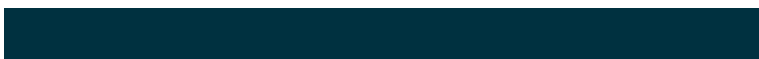
38.4809, 35.9548, 99.5196



18.1721, 19.7157, 23.0977



19.7627, 24.4349, 53.1094



2.0074, 2.5456, 5.1988

Inverse Universe

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



61.7787, 40.8094, 75.1445



58.1438, 34.8462, 69.9042



70.3566, 73.7725, 29.2721



18.5995, 18.2231, 21.7741



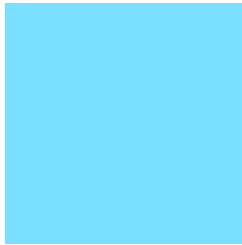
26.7635, 13.1947, 28.4687



2.6479, 1.3015, 2.9931

Previews

White Background



This preview shows how the XYZ color 52.8740, 64.7423, 104.3175 looks on a white background.

Color Contrast Check

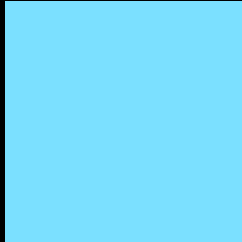
Large Text (above 18pt) WCAG AA × Fail

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 52.8740, 64.7423, 104.3175 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

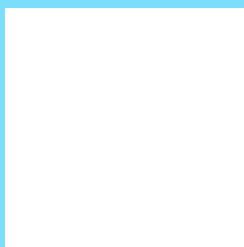
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.8740, 64.7423, 104.3175

Background



This preview shows how black text looks on a background with the XYZ color 52.8740, 64.7423, 104.3175.

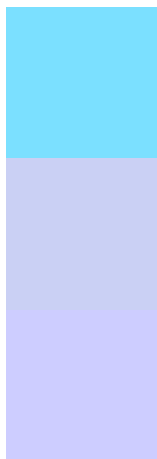


This preview shows how white text looks on a background with the XYZ color 52.8740, 64.7423,

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

52.8740, 64.7423, 104.3175

Protanopia

63.2421, 64.2000, 94.6466

Deuteranopia

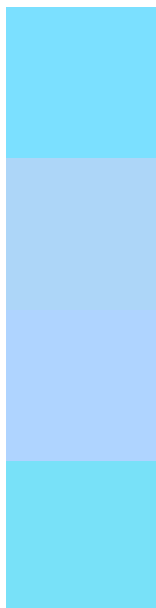
65.0582, 63.8618, 103.5054



Tritanopia

51.1332, 64.8463, 95.4095

Trichromacy



Original Color

52.8740, 64.7423, 104.3175

Protanomaly

58.2234, 63.7547, 98.0441

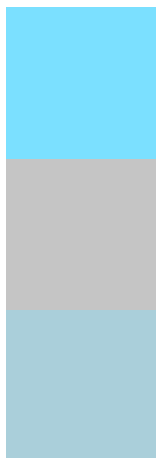
Deuteranomaly

59.2727, 63.4209, 103.7252

Tritanomaly

51.6142, 64.6208, 98.5596

Monochromacy



Original Color

52.8740, 64.7423, 104.3175

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.5453, 58.2337, 74.8532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8740, 64.7423, 104.3175 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(123, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 224, 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(123, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.8740, 64.7423, 104.3175 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(123, 224, 255) }
```


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

```
.border{ border-color:rgb(123, 224, 255) }
```

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

Here you see how a box with a 4 pixel rgb(123, 224, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8740, 64.7423, 104.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 224, 255) }
```

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

```
.background{ background-color: rgb(123,  
224, 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](#).

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