

Converting Colors

XYZ(53.6710, 64.5018,
102.1336)

Have a look what the booklet for
XYZ(53.6710, 64.5018, 102.1336)
contains.

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Color

**XYZ(53.6824, 64.4027,
102.5301)**

Conversions

Conversions Part 1

Format	Color
Hex	86DEFD
RGB	134, 222, 253
RGB Percent	53%, 87%, 99%
CMY	0.4745, 0.1294, 0.0078
CMYK	0.47, 0.12, 0.00, 0.01
HSL	196°, 97%, 76%
HSV	196°, 47%, 99%
XYZ	53.6824, 64.4027, 102.5301
YIQ	199.2220, -62.3990, -9.0150

Conversions

Conversions Part 2

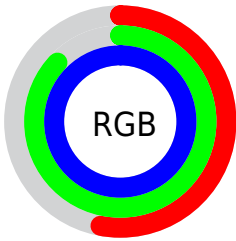
Format	Color
RYB	134, 185, 253
Decimal	8838909
CIELab	84.17, -18.49, -23.32
CIElCh	84, 29.756, 231.591
Yxy	64.4027, 0.2433, 0.2919
Android (android.graphics.Color)	4287028989 (0xFF86DEFD)
YUV	199.2220, 26.5126, -57.1997
Hunter-Lab	80.2513, -21.0360, -19.5738

Details

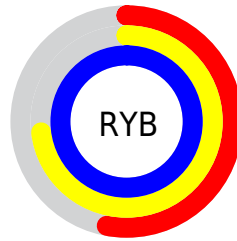
The XYZ color **53.6824, 64.4027, 102.5301** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.2677, 49.5157, 29.0427**, and the grayscale version is **54.2939, 57.1214, 62.2052**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **26.6066, 33.0788, 57.2071** is the 20% darker color. If you saturate the color by 10%, you get **48.4061, 59.1360, 101.7928**, and if you desaturate by 10%, it is **59.9957, 70.3084, 103.3384**.

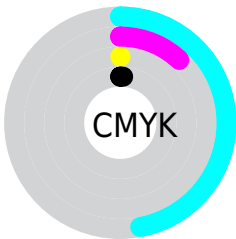
Distribution



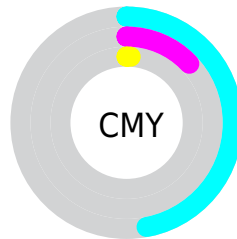
- Red (53%)
- Green (87%)
- Blue (99%)



- Red (53%)
- Yellow (73%)
- Blue (99%)



- Cyan (47%)
- Magenta (12%)
- Yellow (0%)
- Black (1%)




- Cyan (47%)
- Magenta (13%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6824, 64.4027, 102.5301 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 53.6824, 64.4027, 102.5301 by changing the saturation by 10% instead.


 53.6824, 64.4027,
102.5301


 53.6824, 64.4027,
102.5301

391.1159,
440.6424, 589.5901


 38.5775, 46.9769,
77.7866


 94.7674, 111.1907,
166.7119

 26.6104, 33.0174,
57.3833

 121.4782,
141.3217, 206.9873

 17.4159, 22.1398,
40.9016


 152.7882,
176.4565, 253.2770

 10.6286, 13.9596,
27.9231

189.0630,
216.9796, 305.9997

 5.8831, 8.0926,
18.0292

230.6678,
263.2754, 365.5738

 2.8141, 4.1543,
10.8013

277.9680,

 1.0562, 1.7602,

315.7281, 432.4178

5.8209

331.3289,
374.7224, 506.9504

■ 0.0000, 0.4622,
2.6694

■ 0.0000, 0.0000,
0.9280

■ 53.6824, 64.4027,
102.5301

■ 53.6824, 64.4027,
102.5301

■ 48.4061, 59.1360,
101.7928

■ 59.9957, 70.3084,
103.3384

■ 44.0899, 54.4633,
101.1183

■ 67.4037, 76.8797,
104.2164

■ 40.6559, 50.3446,
100.5043

■ 75.9666, 84.1503,
105.1684

■ 38.0099, 46.7303,
99.9462

■ 85.7388, 92.1491,
106.1973

■ 36.0323, 43.5574,
99.4380

94.7159, 99.8441,
107.2094

■ 35.5205, 42.6733,
99.2943

94.7298, 99.8719,
107.2141

Harmonies

Analogous

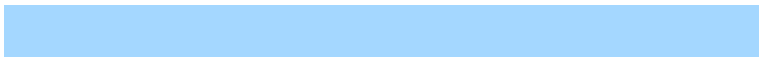
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.1836, 64.4027, 84.3236



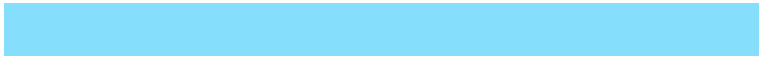
53.6824, 64.4027, 102.5301



59.3807, 64.4027, 112.4348

Triad

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



53.6824, 64.4027, 102.5301



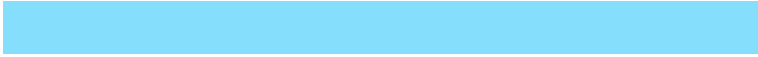
74.6047, 64.4027, 75.5584



56.6731, 64.4027, 41.5337

Complementary

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



53.6824, 64.4027, 102.5301



58.2677, 49.5157, 29.0427

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.



63.0822, 64.4027, 40.0334



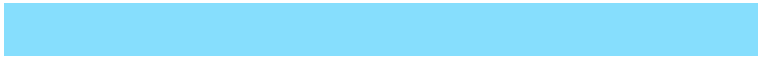
53.6824, 64.4027, 102.5301



73.7501, 64.4027, 57.6145

Square

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



53.6824, 64.4027, 102.5301



71.6744, 64.4027, 95.1365



69.4165, 64.4027, 45.3851



51.8222, 64.4027, 49.9308

Rectangle

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



53.6824, 64.4027, 102.5301



63.7909, 64.4027, 111.9568



69.4165, 64.4027, 45.3851



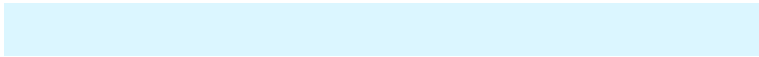
58.7052, 64.4027, 40.2744

Sweetspot

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



53.6844, 64.4051, 102.5316



80.2185, 88.0560, 107.3763



51.6368, 77.9917, 47.3381



16.7281, 18.4820, 22.9357



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.



53.6844, 64.4051, 102.5316



49.7775, 60.7177, 103.7039



40.7938, 38.6238, 98.2347



18.1309, 19.6334, 23.0840



19.0200, 22.9495, 52.8618



1.9406, 2.4118, 5.1765

Inverse Universe

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



62.2197, 43.2087, 74.1705



59.6852, 37.9441, 70.3716



71.2671, 75.5146, 33.3758



18.5787, 18.2148, 21.6647



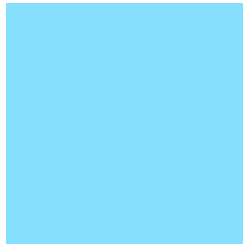
26.3886, 13.0447, 26.4946



2.6141, 1.2880, 2.8154

Previews

White Background



This preview shows how the XYZ color 53.6824, 64.4027, 102.5301 looks on a white background.

Color Contrast Check

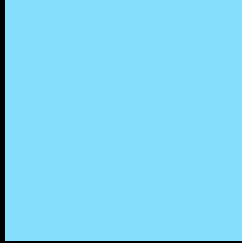
Large Text (above 18pt) WCAG AA × Fail

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 53.6824, 64.4027, 102.5301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

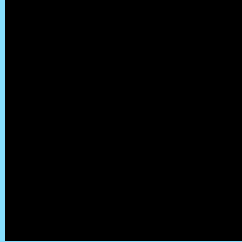
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.6824, 64.4027, 102.5301

Background



This preview shows how black text looks on a background with the XYZ color 53.6824, 64.4027, 102.5301.

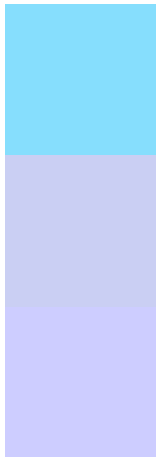


This preview shows how white text looks on a background with the XYZ color 53.6824, 64.4027,

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

53.6824, 64.4027, 102.5301

Protanopia

62.8476, 63.6533, 93.7679

Deuteranopia

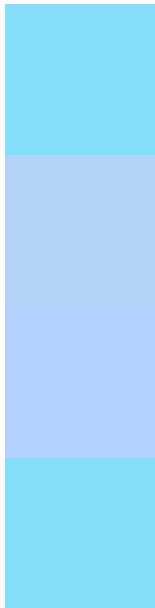
65.0582, 63.8618, 103.5054



Tritanopia

52.0427, 64.5474, 93.7204

Trichromacy



Original Color

53.6824, 64.4027, 102.5301

Protanomaly

58.4634, 63.1495, 97.1034

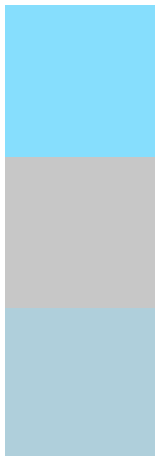
Deuteranomaly

59.7741, 63.3280, 102.8390

Tritanomaly

52.5379, 64.3347, 96.8376

Monochromacy



Original Color

53.6824, 64.4027, 102.5301

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.7782, 58.8541, 75.5961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6824, 64.4027, 102.5301 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(134, 222, 253)` looks like.

```
.text, #text, p{  
    color:rgb(134, 222, 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(134, 222, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 222, 253) }
```

Border

The CSS property to change the border of an element to XYZ 53.6824, 64.4027, 102.5301 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(134, 222, 253) }
```


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

```
.border{ border-color:rgb(134, 222, 253) }
```

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

Here you see how a box with a 4 pixel rgb(134, 222, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 222, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 222, 253);  
box-shadow:4px 4px 4px 4px rgb(134, 222,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6824, 64.4027, 102.5301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 222, 253) }
```

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

```
.background{ background-color: rgb(134,  
222, 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](#).

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