

Converting Colors

XYZ(37.6059, 43.1523, 85.0249)

Have a look what the booklet for
XYZ(37.6059, 43.1523, 85.0249)
contains.

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Color

**XYZ(37.5027, 43.0458,
84.9293)**

Conversions

Conversions Part 1

Format	Color
Hex	65B8EB
RGB	101, 184, 235
RGB Percent	40%, 72%, 92%
CMY	0.6039, 0.2784, 0.0784
CMYK	0.57, 0.22, 0.00, 0.08
HSL	203°, 77%, 66%
HSV	203°, 57%, 92%
XYZ	37.5027, 43.0458, 84.9293
YIQ	164.9970, -65.8390, -1.7350

Conversions

Conversions Part 2

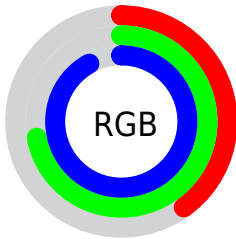
Format	Color
R _Y B	101, 152, 235
Decimal	6666475
CIE Lab	71.59, -10.80, -33.09
CIE LCh	72, 34.810, 251.930
Yxy	43.0458, 0.2266, 0.2601
Android (android.graphics.Color)	4284856555 (0xFF65B8EB)
YUV	164.9970, 34.5115, -56.1254
Hunter-Lab	65.6093, -12.7845, -30.8226

Details

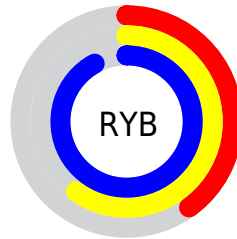
The XYZ color **37.5027, 43.0458, 84.9293** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.8397, 41.0603, 17.7177**, and the grayscale version is **35.6266, 37.4819, 40.8178**.

A 20% lighter version of the original color is **63.9080, 77.1172, 106.1245**, and **16.7597, 19.7485, 45.5763** is the 20% darker color. If you saturate the color by 10%, you get **33.4385, 38.2798, 84.2244**, and if you desaturate by 10%, it is **42.4394, 48.4376, 85.7106**.

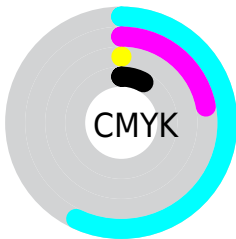
Distribution



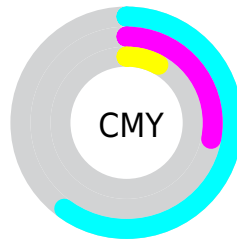
- Red (40%)
- Green (72%)
- Blue (92%)



- Red (40%)
- Yellow (60%)
- Blue (92%)



- Cyan (57%)
- Magenta (22%)
- Yellow (0%)
- Black (8%)



- Cyan (60%)
- Magenta (28%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5027, 43.0458, 84.9293 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 37.5027, 43.0458, 84.9293 by changing the saturation by 10% instead.

■ 37.5027, 43.0458,
84.9293

■ 37.5027, 43.0458,
84.9293

326.7997,
358.8001, 531.5326

■ 25.7724, 29.9211,
63.2332

■ 70.6541, 79.7800,
142.1477

■ 16.7852, 19.7787,
45.5876

■ 92.8059, 104.1582,
178.5070

■ 10.1758, 12.2343,
31.5742

■ 119.1623,
133.0563, 220.5911

■ 5.5789, 6.9034,
20.7744

■ 150.0885,
166.8588, 268.8186

■ 2.6289, 3.4018,
12.7695

185.9500,
205.9501, 323.6079

■ 0.9607, 1.3449,
7.1412

227.1122,

■ 0.0000, 0.1756,

250.7144, 385.3776

3.4708

273.9403,
301.5363, 454.5464

■ 0.0000, 0.0000,
1.3398

■ 0.0000, 0.0000,
0.0940

■ 37.5027, 43.0458,
84.9293

■ 37.5027, 43.0458,
84.9293

■ 33.4385, 38.2798,
84.2244

■ 42.4394, 48.4376,
85.7106

■ 30.1742, 34.0966,
83.5890

■ 48.3045, 54.4847,
86.5687

■ 27.6316, 30.4534,
83.0198

■ 55.1541, 61.2199,
87.5077

■ 25.7086, 27.2942,
82.5114

■ 63.0384, 68.6719,
88.5306

■ 25.2066, 26.4203,
82.3692

■ 72.0038, 76.8677,
89.6400

■ 82.0939, 85.8325,
90.8386

■ 89.3777, 93.5426,
91.9429

■ 91.9955, 98.7782,
92.8155

Harmonies

Analogous

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



33.0583, 43.0458, 72.0357



37.5027, 43.0458, 84.9293



43.2981, 43.0458, 86.2720

Triad

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



37.5027, 43.0458, 84.9293



53.0158, 43.0458, 40.4837



33.8076, 43.0458, 26.6548

Complementary

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



37.5027, 43.0458, 84.9293



47.8397, 41.0603, 17.7177

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.



38.6186, 43.0458, 21.7718



37.5027, 43.0458, 84.9293



49.9243, 43.0458, 28.3758

Square

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



37.5027, 43.0458, 84.9293



52.6437, 43.0458, 57.6593



44.5256, 43.0458, 22.3152



31.0700, 43.0458, 37.5175

Rectangle

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



37.5027, 43.0458, 84.9293



47.1960, 43.0458, 80.1105



44.5256, 43.0458, 22.3152



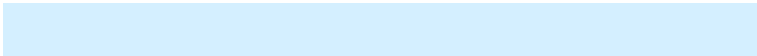
35.2153, 43.0458, 24.3919

Sweetspot

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



37.5042, 43.0474, 84.9303



75.8212, 82.6062, 106.5561



40.5924, 64.3908, 39.2017



15.7972, 17.2787, 22.7525



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.



37.5042, 43.0474, 84.9303



39.6934, 45.3927, 101.2773



26.9448, 21.9287, 81.4106



15.0082, 16.1029, 19.2394



14.1555, 14.9580, 45.8841



1.2039, 1.3592, 3.6338

Inverse Universe

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



47.5676, 30.4318, 48.7157



53.4129, 30.9087, 51.2970



61.4583, 68.2975, 22.2572



15.4577, 15.2109, 17.6956



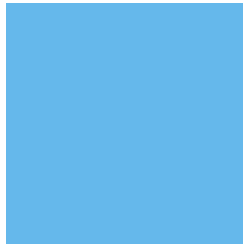
22.0003, 11.0028, 16.3349



1.7742, 0.8826, 1.5281

Previews

White Background



This preview shows how the XYZ color 37.5027, 43.0458, 84.9293 looks on a white background.

Color Contrast Check

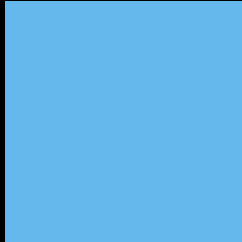
Large Text (above 18pt) WCAG AA × Fail

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 37.5027, 43.0458, 84.9293 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

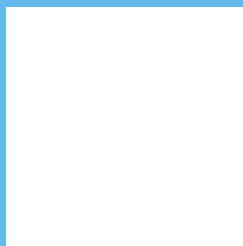
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5027, 43.0458, 84.9293

Background



This preview shows how black text looks on a background with the XYZ color 37.5027, 43.0458, 84.9293.

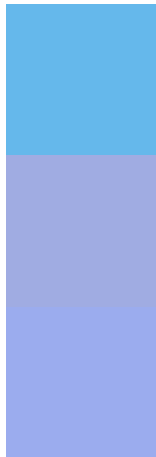


This preview shows how white text looks on a background with the XYZ color 37.5027, 43.0458,

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

37.5027, 43.0458, 84.9293

Protanopia

42.9772, 42.4696, 77.8838

Deuteranopia

43.7027, 42.6467, 86.8172



Tritanopia

33.3369, 42.9268, 64.2863

Trichromacy



Original Color

37.5027, 43.0458, 84.9293

Protanomaly

40.3157, 42.1968, 80.1487

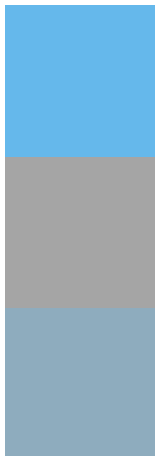
Deuteranomaly

40.8031, 42.3160, 86.1380

Tritanomaly

34.6792, 42.8257, 71.4041

Monochromacy



Original Color

37.5027, 43.0458, 84.9293

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.2021, 38.9735, 54.3825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5027, 43.0458, 84.9293 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(101, 184, 235)` looks like.

```
.text, #text, p{  
    color:rgb(101, 184, 235)  
}
```

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(101, 184, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 184, 235) }
```

Border

The CSS property to change the border of an element to XYZ 37.5027, 43.0458, 84.9293 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(101, 184, 235) }
```


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

```
.border{ border-color:rgb(101, 184, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 184, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 184, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 184, 235);  
box-shadow:4px 4px 4px 4px rgb(101, 184,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5027, 43.0458, 84.9293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 184, 235) }
```

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

```
.background{ background-color: rgb(101,  
184, 235) }
```

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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