

Converting Colors

XYZ(37.8720, 45.8066, 83.9363)

Have a look what the booklet for
XYZ(37.8720, 45.8066, 83.9363)
contains.

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Color

**XYZ(37.8720, 45.8066,
83.9363)**

Conversions

Conversions Part 1

Format	Color
Hex	5BC0E9
RGB	91, 192, 233
RGB Percent	36%, 75%, 91%
CMY	0.6431, 0.2470, 0.0863
CMYK	0.61, 0.18, 0.00, 0.09
HSL	197°, 76%, 64%
HSV	197°, 61%, 91%
XYZ	37.8720, 45.8066, 83.9363
YIQ	166.4750, -73.3570, -8.6610

Conversions

Conversions Part 2

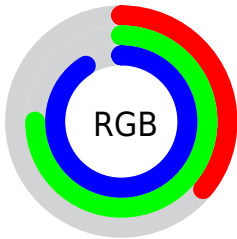
Format	Color
R_{YB}	91, 150, 233
Decimal	6013161
CIE Lab	73.42, -17.50, -29.21
CIE LCh	73, 34.053, 239.072
Yxy	45.8066, 0.2259, 0.2733
Android (android.graphics.Color)	4284203241 (0xFF5BC0E9)
YUV	166.4750, 32.7968, -66.1916
Hunter-Lab	67.6806, -18.5578, -26.1541

Details

The XYZ color **37.8720, 45.8066, 83.9363** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **43.7454, 34.5835, 14.2689**, and the grayscale version is **36.3485, 38.2415, 41.6450**.

A 20% lighter version of the original color is **64.5663, 81.0302, 106.8451**, and **17.0243, 21.3513, 44.8189** is the 20% darker color. If you saturate the color by 10%, you get **34.4783, 41.9149, 83.3649**, and if you desaturate by 10%, it is **42.0491, 50.2042, 84.5658**.

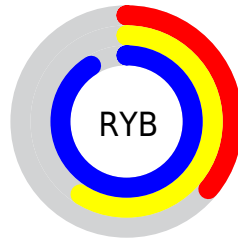
Distribution



Red (36%)

Green (75%)

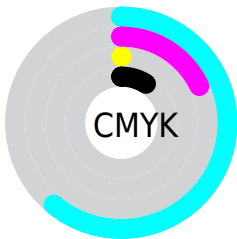
Blue (91%)



Red (36%)

Yellow (59%)

Blue (91%)

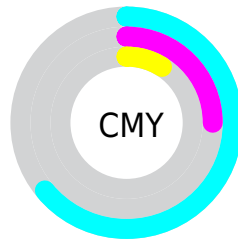


Cyan (61%)

Magenta (18%)

Yellow (0%)

Black (9%)



Cyan (64%)

Magenta (25%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8720, 45.8066, 83.9363 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 37.8720, 45.8066, 83.9363 by changing the saturation by 10% instead.

■ 37.8720, 45.8066,
83.9363

■ 37.8720, 45.8066,
83.9363

328.3609,
370.0306, 528.1542

■ 26.0601, 32.0932,
62.4178

■ 71.2171, 83.9295,
140.7470

■ 17.0015, 21.4327,
44.9324

■ 93.4810, 109.1078,
176.8762

■ 10.3309, 13.4407,
31.0616

■ 119.9596,
138.8765, 218.7128

■ 5.6828, 7.7327,
20.3869

■ 151.0183,
173.6201, 266.6752

■ 2.6920, 3.9244,
12.4897

187.0224,
213.7229, 321.1820

■ 0.9931, 1.6314,
6.9516

228.3373,

■ 0.0000, 0.3786,

259.5693, 382.6518

3.3538

275.3284,
311.5437, 451.5030

■ 0.0000, 0.0000,
1.2780

■ 0.0000, 0.0000,
0.0437

■ 37.8720, 45.8066,
83.9363

■ 37.8720, 45.8066,
83.9363

■ 34.4783, 41.9149,
83.3649

■ 42.0491, 50.2042,
84.5658

■ 31.7940, 38.4870,
82.8447

■ 47.0656, 55.1351,
85.2532

■ 29.7380, 35.4805,
82.3727

■ 52.9774, 60.6305,
86.0023

■ 28.2946, 33.0561,
81.9809

■ 59.8340, 66.7169,
86.8157

67.6812, 73.4194,
87.6959

76.5616, 80.7609,
88.6449

86.5154, 88.7635,
89.6649

88.8501, 92.9472,
90.3494

90.9317, 97.1104,
91.0433

Harmonies

Analogous

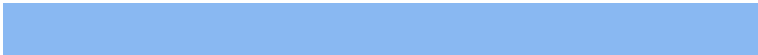
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.2107, 45.8066, 67.7195



37.8720, 45.8066, 83.9363



43.3511, 45.8066, 90.7556

Triad

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



37.8720, 45.8066, 83.9363



56.1254, 45.8066, 50.4129



38.1678, 45.8066, 26.2077

Complementary

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



37.8720, 45.8066, 83.9363



43.7454, 34.5835, 14.2689

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.



43.7250, 45.8066, 23.5914



37.8720, 45.8066, 83.9363



54.4226, 45.8066, 35.4787

Square

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



37.8720, 45.8066, 83.9363



54.2060, 45.8066, 68.8630



49.7422, 45.8066, 26.5579



34.3701, 45.8066, 34.7449

Rectangle

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



37.8720, 45.8066, 83.9363



47.4184, 45.8066, 88.0848



49.7422, 45.8066, 26.5579



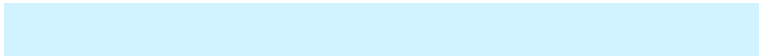
39.8749, 45.8066, 24.7072

Sweetspot

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



37.8735, 45.8083, 83.9374



76.0497, 84.1437, 106.8409



37.5673, 62.1482, 31.5736



15.7030, 17.5127, 22.8026



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.



37.8735, 45.8083, 83.9374



41.4391, 50.3707, 102.1462



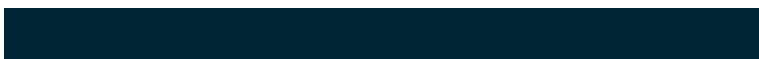
25.9550, 21.9711, 79.9646



15.1290, 16.3444, 19.2796



16.1662, 18.9795, 46.5543



1.3513, 1.6540, 3.6829

Inverse Universe

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



46.8611, 28.6132, 52.9238



53.9312, 29.7267, 58.3093



56.6692, 60.4311, 18.5768



15.5186, 15.2353, 18.0165



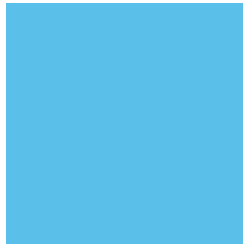
23.0153, 11.4088, 21.6795



1.8486, 0.9124, 1.9199

Previews

White Background



This preview shows how the XYZ color 37.8720, 45.8066, 83.9363 looks on a white background.

Color Contrast Check

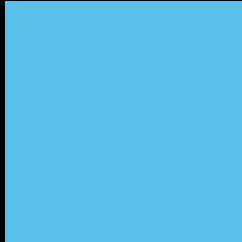
Large Text (above 18pt) WCAG AA × Fail

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 37.8720, 45.8066, 83.9363 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 37.8720, 45.8066, 83.9363

Background



This preview shows how black text looks on a background with the XYZ color 37.8720, 45.8066, 83.9363.

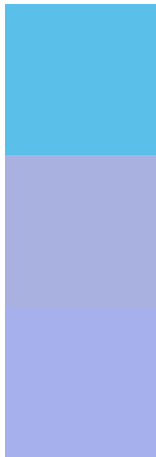


This preview shows how white text looks on a background with the XYZ color 37.8720, 45.8066,

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

37.8720, 45.8066, 83.9363

Protanopia

45.1899, 45.0968, 76.1348

Deuteranopia

46.1827, 45.1061, 85.6291



Tritanopia

35.0169, 45.9827, 69.3173

Trichromacy



Original Color

37.8720, 45.8066, 83.9363

Protanomaly

41.4083, 44.5774, 79.0949

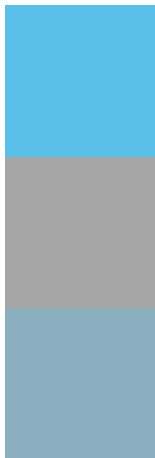
Deuteranomaly

42.2046, 44.8573, 85.0312

Tritanomaly

36.1797, 46.1288, 74.7070

Monochromacy



Original Color

37.8720, 45.8066, 83.9363

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.2717, 39.8666, 54.5512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8720, 45.8066, 83.9363 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(91, 192, 233)` looks like.

```
.text, #text, p{  
    color:rgb(91, 192, 233)  
}
```

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(91, 192, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 192, 233) }
```

Border

The CSS property to change the border of an element to XYZ 37.8720, 45.8066, 83.9363 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(91, 192, 233) }
```


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

```
.border{ border-color:rgb(91, 192, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 192, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 192, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 192, 233);  
box-shadow:4px 4px 4px 4px rgb(91, 192,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8720, 45.8066, 83.9363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 192, 233) }
```

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

```
.background{ background-color: rgb(91, 192,  
233) }
```

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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