

Converting Colors

XYZ(37.2964, 45.9905, 79.8385)

Have a look what the booklet for
XYZ(37.2964, 45.9905, 79.8385)
contains.

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Color

**XYZ(37.2495, 45.9101,
79.5713)**

Conversions

Conversions Part 1

Format	Color
Hex	5BC1E3
RGB	91, 193, 227
RGB Percent	36%, 76%, 89%
CMY	0.6431, 0.2431, 0.1098
CMYK	0.60, 0.15, 0.00, 0.11
HSL	195°, 71%, 62%
HSV	195°, 60%, 89%
XYZ	37.2495, 45.9101, 79.5713
YIQ	166.3780, -71.7060, -11.0500

Conversions

Conversions Part 2

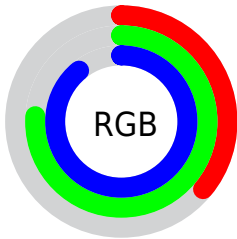
Format	Color
R _Y B	91, 149, 227
Decimal	6013411
CIE Lab	73.49, -19.82, -25.86
CIE LCh	73, 32.581, 232.533
Yxy	45.9101, 0.2289, 0.2821
Android (android.graphics.Color)	4284203491 (0xFF5BC1E3)
YUV	166.3780, 29.8866, -66.1065
Hunter-Lab	67.7570, -20.4441, -22.1981

Details

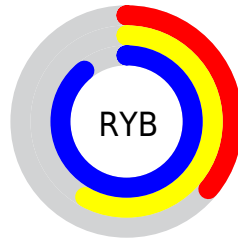
The XYZ color **37.2495, 45.9101, 79.5713** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.9020, 31.7553, 13.8729**, and the grayscale version is **36.3147, 38.2059, 41.6062**.

A 20% lighter version of the original color is **65.1845, 82.2666, 107.0512**, and **16.6790, 21.4438, 42.2897** is the 20% darker color. If you saturate the color by 10%, you get **34.1106, 42.4660, 79.0728**, and if you desaturate by 10%, it is **41.1161, 49.8027, 80.1197**.

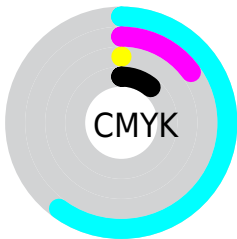
Distribution



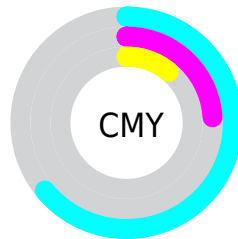
- Red (36%)
- Green (76%)
- Blue (89%)



- Red (36%)
- Yellow (58%)
- Blue (89%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (64%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2495, 45.9101, 79.5713 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 37.2495, 45.9101, 79.5713 by changing the saturation by 10% instead.

■ 37.2495, 45.9101,
79.5713

■ 37.2495, 45.9101,
79.5713

325.7263,
370.4471, 513.1555

■ 25.5753, 32.1749,
58.8416

■ 70.2677, 84.0844,
134.5688

■ 16.6372, 21.4951,
42.0664

■ 92.3424, 109.2924,
169.6736

■ 10.0699, 13.4864,
28.8273

■ 118.6146,
139.0933, 210.4072

■ 5.5079, 7.7643,
18.7058

■ 149.4497,
173.8716, 257.1881

■ 2.5860, 3.9445,
11.2832

185.2131,
214.0118, 310.4348

■ 0.9388, 1.6426,
6.1411

226.2701,

■ 0.0000, 0.3861,

259.8982, 370.5659

2.8609

272.9860,
311.9151, 438.0000

■ 0.0000, 0.0000,
1.0241

■ 0.0000, 0.0000,
0.0000

■ 37.2495, 45.9101,
79.5713

■ 37.2495, 45.9101,
79.5713

■ 34.1106, 42.4660,
79.0728

■ 41.1161, 49.8027,
80.1197

■ 31.6313, 39.4317,
78.6178

■ 45.7618, 54.1682,
80.7175

■ 29.7375, 36.7691,
78.2037

■ 51.2383, 59.0350,
81.3682

■ 28.2994, 34.4105,
77.8242

■ 57.5912, 64.4275,
82.0742

■ 28.2871, 34.3897,
77.8209

■ 64.8630, 70.3681,
82.8376

■ 73.0932, 76.8780,
83.6604

■ 82.3188, 83.9771,
84.5444

■ 85.7973, 88.1901,
85.1743

■ 87.4795, 91.5545,
85.7350

Harmonies

Analogous

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



34.1989, 45.9101, 63.1324



37.2495, 45.9101, 79.5713



42.2149, 45.9101, 88.4209

Triad

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



37.2495, 45.9101, 79.5713



55.5438, 45.9101, 54.2178



39.5345, 45.9101, 26.0722

Complementary

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



37.2495, 45.9101, 79.5713



40.9020, 31.7553, 13.8729

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.



45.0890, 45.9101, 24.7044



37.2495, 45.9101, 79.5713



54.6671, 45.9101, 38.8083

Square

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



37.2495, 45.9101, 79.5713



53.0141, 45.9101, 71.8326



50.7141, 45.9101, 28.8308



35.4350, 45.9101, 33.0931

Rectangle

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



37.2495, 45.9101, 79.5713



46.0799, 45.9101, 87.7119



50.7141, 45.9101, 28.8308



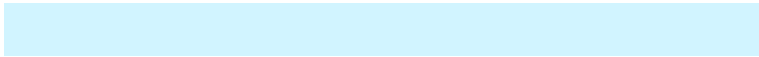
41.2804, 45.9101, 25.0095

Sweetspot

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



37.2510, 45.9118, 79.5724



76.5807, 85.2058, 107.0179



35.4866, 58.6442, 28.8532



15.8336, 17.7739, 22.8461



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.



37.2510, 45.9118, 79.5724



43.5030, 54.2248, 102.7813



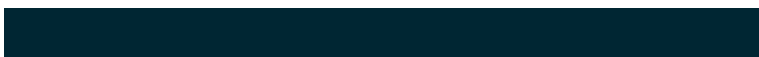
25.5148, 22.4394, 75.6603



14.4863, 15.6941, 18.4101



16.5940, 20.2501, 45.4172



1.2987, 1.6413, 3.3803

Inverse Universe

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



45.0466, 27.6649, 53.4193



55.0398, 30.4259, 63.3584



52.6382, 55.2277, 17.7849



14.8331, 14.5504, 17.3213



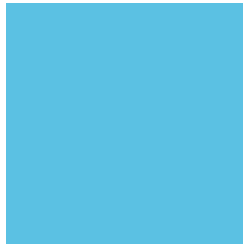
22.7694, 11.2420, 23.4784



1.7191, 0.8454, 1.9275

Previews

White Background



This preview shows how the XYZ color 37.2495, 45.9101, 79.5713 looks on a white background.

Color Contrast Check

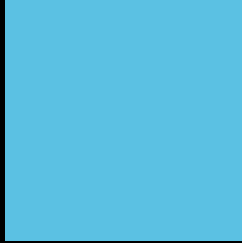
Large Text (above 18pt) WCAG AA × Fail

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 37.2495, 45.9101, 79.5713 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 37.2495, 45.9101, 79.5713

Background



This preview shows how black text looks on a background with the XYZ color 37.2495, 45.9101, 79.5713.



This preview shows how white text looks on a background with the XYZ color 37.2495, 45.9101,

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

37.2495, 45.9101, 79.5713

Protanopia

45.1097, 45.4566, 71.3622

Deuteranopia

46.5267, 45.3662, 81.9056



Tritanopia

35.1540, 46.0678, 68.6672

Trichromacy



Original Color

37.2495, 45.9101, 79.5713

Protanomaly

41.0071, 44.7851, 74.1932

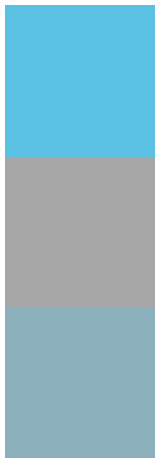
Deuteranomaly

41.9954, 44.8318, 81.3029

Tritanomaly

35.9700, 46.0662, 72.6415

Monochromacy



Original Color

37.2495, 45.9101, 79.5713

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.2499, 40.1705, 53.4728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2495, 45.9101, 79.5713 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, 193, 227)` looks like.

```
.text, #text, p{  
    color:rgb(91, 193, 227)  
}
```

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, 193, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 193, 227) }
```

Border

The CSS property to change the border of an element to XYZ 37.2495, 45.9101, 79.5713 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, 193, 227) }
```


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

```
.border{ border-color:rgb(91, 193, 227) }
```

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

Here you see how a box with a 4 pixel rgb(91, 193, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 193, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 193, 227);  
box-shadow:4px 4px 4px 4px rgb(91, 193,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2495, 45.9101, 79.5713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 193, 227) }
```

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

```
.background{ background-color: rgb(91, 193,  
227) }
```

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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