

Converting Colors

XYZ(37.0622, 42.1921, 92.5676)

Have a look what the booklet for
XYZ(37.0622, 42.1921, 92.5676)
contains.

XYZ(37.1612, 42.3908, 92.6098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.1612, 42.3908,
92.6098)**

Conversions

Conversions Part 1

Format	Color
Hex	55B7F5
RGB	85, 183, 245
RGB Percent	33%, 72%, 96%
CMY	0.6666, 0.2823, 0.0392
CMYK	0.65, 0.25, 0.00, 0.04
HSL	203°, 89%, 65%
HSV	203°, 65%, 96%
XYZ	37.1612, 42.3908, 92.6098
YIQ	160.7660, -78.3100, -1.4940

Conversions

Conversions Part 2

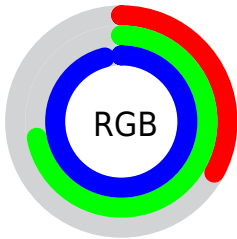
Format	Color
R _Y B	85, 146, 245
Decimal	5617653
CIE Lab	71.14, -9.99, -39.25
CIE LCh	71, 40.505, 255.722
Yxy	42.3908, 0.2159, 0.2462
Android (android.graphics.Color)	4283807733 (0xFF55B7F5)
YUV	160.7660, 41.5274, -66.4468
Hunter-Lab	65.1082, -12.0586, -38.7582

Details

The XYZ color **37.1612, 42.3908, 92.6098** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **49.7315, 40.9386, 13.8770**, and the grayscale version is **33.6090, 35.3593, 38.5063**.

A 20% lighter version of the original color is **61.3109, 75.3426, 105.9189**, and **17.0597, 19.5961, 50.4602** is the 20% darker color. If you saturate the color by 10%, you get **33.4172, 37.6517, 91.8932**, and if you desaturate by 10%, it is **41.8099, 47.7939, 93.4085**.

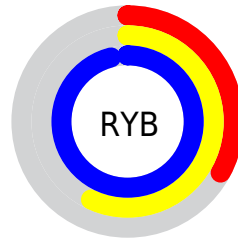
Distribution



Red (33%)

Green (72%)

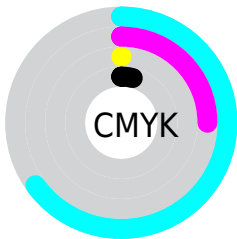
Blue (96%)



Red (33%)

Yellow (57%)

Blue (96%)

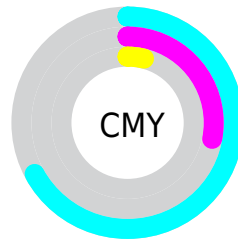


Cyan (65%)

Magenta (25%)

Yellow (0%)

Black (4%)



Cyan (67%)

Magenta (28%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1612, 42.3908, 92.6098 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 37.1612, 42.3908, 92.6098 by changing the saturation by 10% instead.

■ 37.1612, 42.3908,
92.6098

■ 37.1612, 42.3908,
92.6098

325.3513,
356.1004, 557.2720

■ 25.5066, 29.4074,
69.5614

■ 70.1329, 78.7907,
152.9253

■ 16.5856, 19.3892,
50.6944

■ 92.1806, 102.9761,
191.0295

■ 10.0330, 11.9519,
35.5904

■ 118.4234,
131.6642, 234.9893

■ 5.4832, 6.7109,
23.8309

■ 149.2267,
165.2395, 285.2233

■ 2.5711, 3.2820,
14.9972

184.9558,
204.0864, 342.1500

■ 0.9313, 1.2807,
8.6708

225.9760,

■ 0.0000, 0.1262,

248.5893, 406.1880

4.4332

272.6527,
299.1325, 477.7558

■ 0.0000, 0.0000,
1.8659

■ 0.0000, 0.0000,
0.4709

■ 37.1612, 42.3908,
92.6098

■ 37.1612, 42.3908,
92.6098

■ 33.4172, 37.6517,
91.8932

■ 41.8099, 47.7939,
93.4085

■ 30.4874, 33.5239,
91.2509

■ 47.4329, 53.8983,
94.2904

■ 28.2681, 29.9506,
90.6782

■ 54.0974, 60.7432,
95.2604

■ 27.3975, 28.4246,
90.4295

■ 61.8631, 68.3627,
96.3218

■ 70.7849, 76.7887,
97.4779

■ 80.9138, 86.0507,
98.7318

■ 91.7399, 95.8892,
100.0603

■ 93.4816, 99.3726,
100.6408

Harmonies

Analogous

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



31.8589, 42.3908, 78.3750



37.1612, 42.3908, 92.6098



43.9275, 42.3908, 92.2229

Triad

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



37.1612, 42.3908, 92.6098



54.1860, 42.3908, 36.7616



31.6607, 42.3908, 24.6917

Complementary

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



37.1612, 42.3908, 92.6098



49.7315, 40.9386, 13.8770

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.



36.8613, 42.3908, 18.7407



37.1612, 42.3908, 92.6098



50.0937, 42.3908, 24.2558

Square

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



37.1612, 42.3908, 92.6098



54.2897, 42.3908, 55.9888



43.5922, 42.3908, 18.6075



28.9331, 42.3908, 37.5482

Rectangle

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



37.1612, 42.3908, 92.6098



48.3909, 42.3908, 83.5814



43.5922, 42.3908, 18.6075



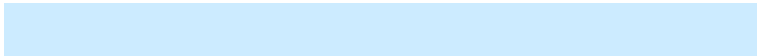
33.1498, 42.3908, 21.9985

Sweetspot

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



37.1627, 42.3923, 92.6109



72.7280, 79.6098, 106.1408



41.6146, 69.3231, 38.5201



14.9868, 16.4897, 22.6429



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.



37.1627, 42.3923, 92.6109



35.5917, 39.8742, 100.4283



25.1464, 18.3597, 88.6054



16.4261, 17.6165, 21.0771



14.8979, 15.5895, 48.7619



1.4089, 1.5692, 4.3189

Inverse Universe

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



49.4532, 29.3301, 47.8558



50.6873, 27.3093, 44.6792



66.5842, 74.6439, 19.4946



16.9257, 16.6531, 19.3551



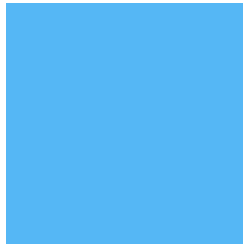
23.3243, 11.6731, 16.9478



2.1002, 1.0460, 1.7541

Previews

White Background



This preview shows how the XYZ color 37.1612, 42.3908, 92.6098 looks on a white background.

Color Contrast Check

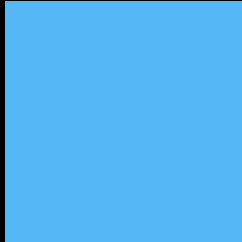
Large Text (above 18pt) WCAG AA × Fail

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 37.1612, 42.3908, 92.6098 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

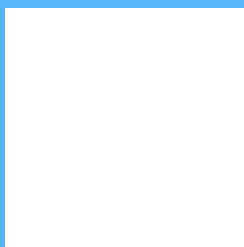
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1612, 42.3908, 92.6098

Background



This preview shows how black text looks on a background with the XYZ color 37.1612, 42.3908, 92.6098.



This preview shows how white text looks on a background with the XYZ color 37.1612, 42.3908,

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

37.1612, 42.3908, 92.6098

Protanopia

42.8847, 41.9940, 84.4426

Deuteranopia

43.1832, 41.9229, 94.6229



Tritanopia

31.6039, 42.3399, 64.8992

Trichromacy



Original Color

37.1612, 42.3908, 92.6098

Protanomaly

39.9632, 41.5591, 87.5768

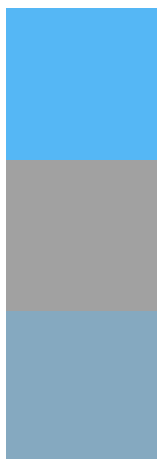
Deuteranomaly

40.2869, 41.5863, 93.8993

Tritanomaly

33.2871, 42.0475, 74.0717

Monochromacy



Original Color

37.1612, 42.3908, 92.6098

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.3753, 37.1683, 55.2843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1612, 42.3908, 92.6098 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(85, 183, 245)` looks like.

```
.text, #text, p{  
    color:rgb(85, 183, 245)  
}
```

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(85, 183, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 183, 245) }
```

Border

The CSS property to change the border of an element to XYZ 37.1612, 42.3908, 92.6098 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(85, 183, 245) }
```


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

```
.border{ border-color:rgb(85, 183, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 183, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 183, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 183, 245);  
box-shadow:4px 4px 4px 4px rgb(85, 183,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1612, 42.3908, 92.6098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 183, 245) }
```

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

```
.background{ background-color: rgb(85, 183,  
245) }
```

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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