

Converting Colors

XYZ(37.1977, 42.3247, 80.4042)

Have a look what the booklet for
XYZ(37.1977, 42.3247, 80.4042)
contains.

XYZ(37.1775, 42.3642, 80.3464)	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(37.1775, 42.3642,
80.3464)**

Conversions

Conversions Part 1

Format	Color
Hex	6DB6E5
RGB	109, 182, 229
RGB Percent	43%, 71%, 90%
CMY	0.5725, 0.2863, 0.1020
CMYK	0.52, 0.21, 0.00, 0.10
HSL	204°, 70%, 66%
HSV	204°, 52%, 90%
XYZ	37.1775, 42.3642, 80.3464
YIQ	165.5310, -58.5950, -0.8590

Conversions

Conversions Part 2

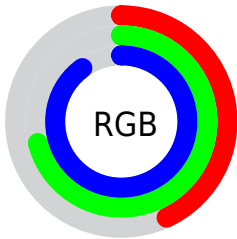
Format	Color
R _Y B	109, 154, 229
Decimal	7190245
CIE Lab	71.12, -9.86, -30.52
CIE LCh	71, 32.074, 252.101
Yxy	42.3642, 0.2325, 0.2650
Android (android.graphics.Color)	4285380325 (0xFF6DB6E5)
YUV	165.5310, 31.2902, -49.5777
Hunter-Lab	65.0878, -11.9462, -27.6280

Details

The XYZ color **37.1775, 42.3642, 80.3464** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.9633, 41.5409, 20.0127**, and the grayscale version is **35.8950, 37.7643, 41.1253**.

A 20% lighter version of the original color is **64.5609, 76.5846, 105.9873**, and **16.5198, 19.2985, 42.3895** is the 20% darker color. If you saturate the color by 10%, you get **32.9405, 37.5406, 79.6395**, and if you desaturate by 10%, it is **42.2687, 47.8045, 81.1289**.

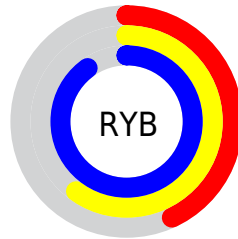
Distribution



Red (43%)

Green (71%)

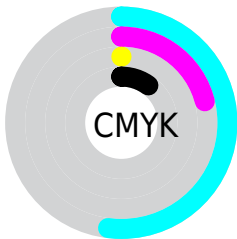
Blue (90%)



Red (43%)

Yellow (60%)

Blue (90%)

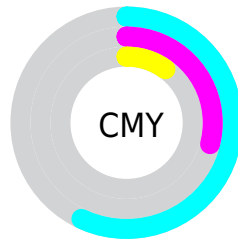


Cyan (52%)

Magenta (21%)

Yellow (0%)

Black (10%)



Cyan (57%)

Magenta (29%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1775, 42.3642, 80.3464 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 37.1775, 42.3642, 80.3464 by changing the saturation by 10% instead.

■ 37.1775, 42.3642,
80.3464

■ 37.1775, 42.3642,
80.3464

325.4206,
355.9905, 515.8370

■ 25.5193, 29.3866,
59.4756

■ 70.1578, 78.7505,
135.6684

■ 16.5951, 19.3735,
42.5736

■ 92.2105, 102.9280,
170.9568

■ 10.0398, 11.9404,
29.2218

■ 118.4587,
131.6076, 211.8880

■ 5.4878, 6.7031,
19.0016

149.2679,
165.1736, 258.8807

■ 2.5739, 3.2771,
11.4946

185.0033,
204.0106, 312.3534

■ 0.9327, 1.2781,
6.2822

226.0303,

■ 0.0000, 0.1241,

248.5027, 372.7247

2.9459

272.7143,
299.0346, 440.4130

■ 0.0000, 0.0000,
1.0671

■ 0.0000, 0.0000,
0.0000

■ 37.1775, 42.3642,
80.3464

■ 37.1775, 42.3642,
80.3464

■ 32.9405, 37.5406,
79.6395

■ 42.2687, 47.8045,
81.1289

■ 29.4930, 33.2946,
79.0016

■ 48.2641, 53.8879,
81.9872

■ 26.7671, 29.5887,
78.4300

■ 55.2143, 60.6445,
82.9250

■ 24.6797, 26.3766,
77.9200

■ 63.1650, 68.1007,
83.9452

■ 23.4203, 24.2118,
77.5685

■ 72.1586, 76.2814,
85.0502

■ 82.2351, 85.2101,
86.2425

■ 87.9712, 92.0936,
87.2688

■ 90.7478, 97.6467,
88.1943

■ 91.1430, 98.4372,
88.3261

Harmonies

Analogous

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



33.0856, 42.3642, 68.9095



37.1775, 42.3642, 80.3464



42.4679, 42.3642, 81.4713

Triad

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



37.1775, 42.3642, 80.3464



51.2201, 42.3642, 40.2059



33.7371, 42.3642, 27.4935

Complementary

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



37.1775, 42.3642, 80.3464



46.9633, 41.5409, 20.0127

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.



38.1414, 42.3642, 22.8478



37.1775, 42.3642, 80.3464



48.4164, 42.3642, 29.0175

Square

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



37.1775, 42.3642, 80.3464



50.9037, 42.3642, 55.8176



43.5208, 42.3642, 23.3355



31.2241, 42.3642, 37.6291

Rectangle

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



37.1775, 42.3642, 80.3464



46.0015, 42.3642, 75.9589



43.5208, 42.3642, 23.3355



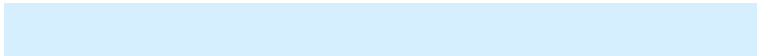
35.0281, 42.3642, 25.3512

Sweetspot

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



37.1789, 42.3658, 80.3474



76.7123, 83.2909, 106.6413



40.2438, 61.6575, 40.7922



15.9684, 17.4049, 22.7678



0.0000, 0.0000, 0.0000



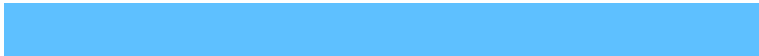
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.1789, 42.3658, 80.3474



41.5689, 47.3518, 101.5566



27.5341, 23.0761, 77.1325



14.3088, 15.3390, 18.3509



13.5108, 14.0838, 44.3895



1.0882, 1.2203, 3.3102

Inverse Universe

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



46.2265, 30.9743, 47.7996



54.7970, 33.1370, 53.4225



59.3750, 66.3642, 24.1499



14.7435, 14.5146, 16.8494



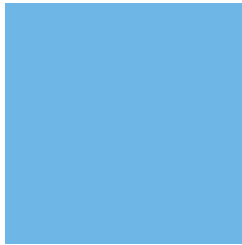
21.2132, 10.6195, 15.2833



1.6129, 0.8029, 1.3680

Previews

White Background



This preview shows how the XYZ color 37.1775, 42.3642, 80.3464 looks on a white background.

Color Contrast Check

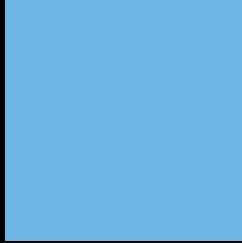
Large Text (above 18pt) WCAG AA × Fail

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 37.1775, 42.3642, 80.3464 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 37.1775, 42.3642, 80.3464

Background



This preview shows how black text looks on a background with the XYZ color 37.1775, 42.3642, 80.3464.

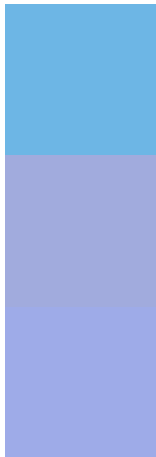


This preview shows how white text looks on a background with the XYZ color 37.1775, 42.3642,

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

37.1775, 42.3642, 80.3464

Protanopia

42.3120, 41.9233, 74.2685

Deuteranopia

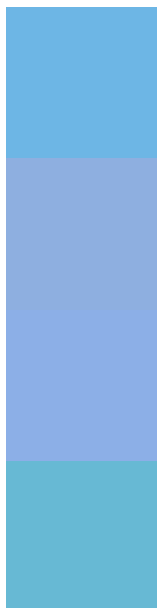
43.2289, 42.2211, 82.2150



Tritanopia

33.6865, 42.5142, 62.3077

Trichromacy



Original Color

37.1775, 42.3642, 80.3464

Protanomaly

39.9398, 41.7925, 76.4827

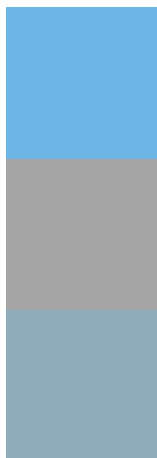
Deuteranomaly

40.5690, 42.0049, 81.5708

Tritanomaly

34.8261, 42.3350, 68.6233

Monochromacy



Original Color

37.1775, 42.3642, 80.3464

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.6149, 39.1989, 53.8332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1775, 42.3642, 80.3464 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(109, 182, 229)` looks like.

```
.text, #text, p{  
    color:rgb(109, 182, 229)  
}
```

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(109, 182, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 182, 229) }
```

Border

The CSS property to change the border of an element to XYZ 37.1775, 42.3642, 80.3464 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(109, 182, 229) }
```


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

```
.border{ border-color:rgb(109, 182, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 182, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 182, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 182, 229);  
box-shadow:4px 4px 4px 4px rgb(109, 182,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1775, 42.3642, 80.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 182, 229) }
```

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

```
.background{ background-color: rgb(109,  
182, 229) }
```

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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