

Converting Colors

XYZ(35.7321, 42.6208, 82.8245)

Have a look what the booklet for
XYZ(35.7321, 42.6208, 82.8245)
contains.

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Color

**XYZ(35.6608, 42.4554,
82.6591)**

Conversions

Conversions Part 1

Format	Color
Hex	55B9E8
RGB	85, 185, 232
RGB Percent	33%, 73%, 91%
CMY	0.6666, 0.2745, 0.0902
CMYK	0.63, 0.20, 0.00, 0.09
HSL	199°, 76%, 62%
HSV	199°, 63%, 91%
XYZ	35.6608, 42.4554, 82.6591
YIQ	160.4580, -74.6870, -6.5830

Conversions

Conversions Part 2

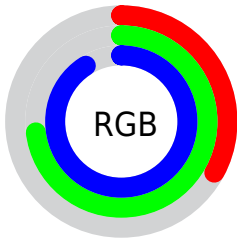
Format	Color
R _Y B	85, 145, 232
Decimal	5618152
CIE Lab	71.18, -15.17, -32.13
CIE LCh	71, 35.532, 244.729
Yxy	42.4554, 0.2218, 0.2641
Android (android.graphics.Color)	4283808232 (0xFF55B9E8)
YUV	160.4580, 35.2702, -66.1767
Hunter-Lab	65.1578, -16.3333, -29.6047

Details

The XYZ color **35.6608, 42.4554, 82.6591** 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 **43.1714, 34.3166, 12.9445**, and the grayscale version is **33.4935, 35.2378, 38.3740**.

A 20% lighter version of the original color is **61.5379, 76.3336, 106.0982**, and **16.0877, 19.6371, 44.0167** is the 20% darker color. If you saturate the color by 10%, you get **32.3781, 38.5199, 82.0733**, and if you desaturate by 10%, it is **39.7175, 46.9117, 83.3063**.

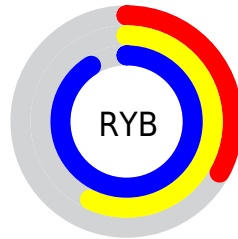
Distribution



Red (33%)

Green (73%)

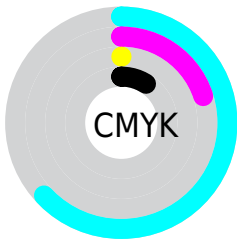
Blue (91%)



Red (33%)

Yellow (57%)

Blue (91%)

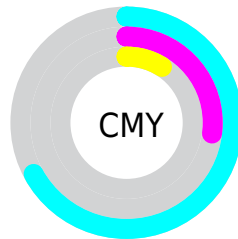


Cyan (63%)

Magenta (20%)

Yellow (0%)

Black (9%)



Cyan (67%)

Magenta (27%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6608, 42.4554, 82.6591 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 35.6608, 42.4554, 82.6591 by changing the saturation by 10% instead.

■ 35.6608, 42.4554,
82.6591

■ 35.6608, 42.4554,
82.6591

318.9327,
356.3673, 523.7909

■ 24.3412, 29.4580,
61.3700

■ 67.8355, 78.8884,
138.9429

■ 15.7130, 19.4276,
44.0913

■ 89.4213, 103.0928,
174.7746

■ 9.4109, 11.9797,
30.4046

■ 115.1600,
131.8017, 216.2909

■ 5.0694, 6.7298,
19.8912

■ 145.4168,
165.3995, 263.9104

■ 2.3232, 3.2937,
12.1327

180.5571,
204.2706, 318.0517

■ 0.8065, 1.2869,
6.7105

220.9463,

■ 0.0000, 0.1311,

248.7993, 379.1331

3.2060

266.9497,
299.3701, 447.5733

■ 0.0000, 0.0000,
1.2008

■ 0.0000, 0.0000,
0.0000

■ 35.6608, 42.4554,
82.6591

■ 35.6608, 42.4554,
82.6591

■ 32.3781, 38.5199,
82.0733

■ 39.7175, 46.9117,
83.3063

■ 29.7936, 35.0620,
81.5421

■ 44.6060, 51.9180,
84.0149

■ 27.8220, 32.0365,
81.0620

■ 50.3833, 57.5061,
84.7890

■ 26.7622, 30.2193,
80.7671

■ 57.0995, 63.7037,
85.6313

64.8013, 70.5365,
86.5442

73.5317, 78.0282,
87.5302

83.3313, 86.2015,
88.5913

88.2604, 91.9958,
89.4499

90.5418, 96.5586,
90.2103

Harmonies

Analogous

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



31.6575, 42.4554, 67.5301



35.6608, 42.4554, 82.6591



41.3037, 42.4554, 87.1969

Triad

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



35.6608, 42.4554, 82.6591



52.8686, 42.4554, 43.5763



34.1766, 42.4554, 24.1803

Complementary

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



35.6608, 42.4554, 82.6591



43.1714, 34.3166, 12.9445

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.



39.4162, 42.4554, 20.6489



35.6608, 42.4554, 82.6591



50.5097, 42.4554, 29.9533

Square

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



35.6608, 42.4554, 82.6591



51.6137, 42.4554, 61.6805



45.4388, 42.4554, 22.4678



30.8615, 42.4554, 33.5972

Rectangle

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



35.6608, 42.4554, 82.6591



45.3328, 42.4554, 82.8521



45.4388, 42.4554, 22.4678



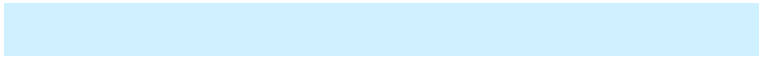
35.7511, 42.4554, 22.3869

Sweetspot

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



35.6622, 42.4569, 82.6601



74.6723, 82.4520, 106.5869



36.7386, 61.2994, 31.5666



15.4124, 17.1378, 22.7456



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.



35.6622, 42.4569, 82.6601



39.0646, 46.3740, 101.4999



24.1022, 19.3369, 78.8068



14.3985, 15.5185, 18.3808



14.9756, 17.0133, 44.8778



1.1896, 1.4231, 3.3440

Inverse Universe

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



45.2855, 27.1573, 48.7554



52.5490, 28.4707, 53.1985



56.7630, 61.4998, 17.4751



14.7888, 14.5327, 17.0880



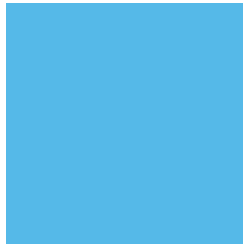
21.9525, 10.9152, 19.1767



1.6641, 0.8233, 1.6376

Previews

White Background



This preview shows how the XYZ color 35.6608, 42.4554, 82.6591 looks on a white background.

Color Contrast Check

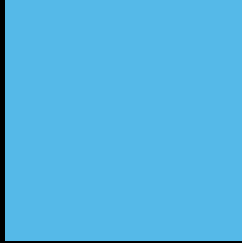
Large Text (above 18pt) WCAG AA × Fail

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 35.6608, 42.4554, 82.6591 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 35.6608, 42.4554, 82.6591

Background



This preview shows how black text looks on a background with the XYZ color 35.6608, 42.4554, 82.6591.

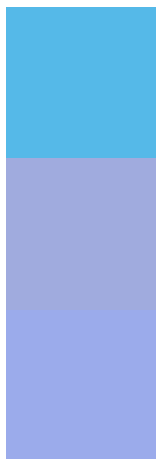


This preview shows how white text looks on a background with the XYZ color 35.6608, 42.4554,

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

35.6608, 42.4554, 82.6591

Protanopia

42.2449, 41.8733, 74.9631

Deuteranopia

43.0759, 42.0925, 84.4516



Tritanopia

32.1054, 42.6124, 64.2905

Trichromacy



Original Color

35.6608, 42.4554, 82.6591

Protanomaly

38.9257, 41.5282, 77.9156

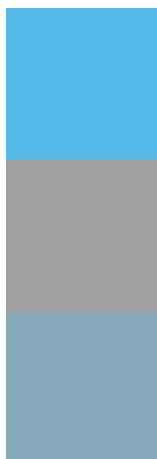
Deuteranomaly

39.5825, 41.7370, 83.8117

Tritanomaly

33.3095, 42.4505, 70.7282

Monochromacy



Original Color

35.6608, 42.4554, 82.6591

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7238, 36.9077, 51.8535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6608, 42.4554, 82.6591 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, 185, 232)` looks like.

```
.text, #text, p{  
    color:rgb(85, 185, 232)  
}
```

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, 185, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 185, 232) }
```

Border

The CSS property to change the border of an element to XYZ 35.6608, 42.4554, 82.6591 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, 185, 232) }
```


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

```
.border{ border-color:rgb(85, 185, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 185, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 185, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 185, 232);  
box-shadow:4px 4px 4px 4px rgb(85, 185,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6608, 42.4554, 82.6591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 185, 232) }
```

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

```
.background{ background-color: rgb(85, 185,  
232) }
```

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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