

Converting Colors

XYZ(35.6717, 37.9793, 65.5741)

Have a look what the booklet for
XYZ(35.6717, 37.9793, 65.5741)
contains.

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Color

**XYZ(35.6646, 37.8430,
65.7463)**

Conversions

Conversions Part 1

Format	Color
Hex	88A8D1
RGB	136, 168, 209
RGB Percent	53%, 66%, 82%
CMY	0.4667, 0.3412, 0.1804
CMYK	0.35, 0.20, 0.00, 0.18
HSL	214°, 44%, 68%
HSV	214°, 35%, 82%
XYZ	35.6646, 37.8430, 65.7463
YIQ	163.1060, -32.2330, 5.9670

Conversions

Conversions Part 2

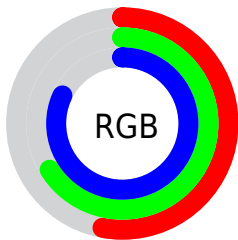
Format	Color
RYB	136, 158, 209
Decimal	8956113
CIELab	67.90, -1.02, -24.38
CIElCh	68, 24.402, 267.600
Yxy	37.8430, 0.2561, 0.2718
Android (android.graphics.Color)	4287146193 (0xFF88A8D1)
YUV	163.1060, 22.6257, -23.7720
Hunter-Lab	61.5167, -4.1679, -20.3049

Details

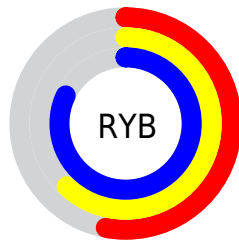
The XYZ color **35.6646, 37.8430, 65.7463** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.4612, 46.7777, 29.8739**, and the grayscale version is **34.7712, 36.5821, 39.8379**.

A 20% lighter version of the original color is **65.9235, 71.0717, 104.8514**, and **15.6454, 16.6629, 32.9635** is the 20% darker color. If you saturate the color by 10%, you get **30.5255, 32.1214, 64.9134**, and if you desaturate by 10%, it is **41.6636, 44.3000, 66.6771**.

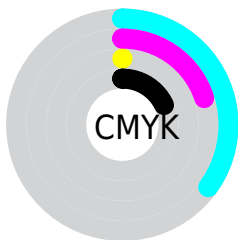
Distribution



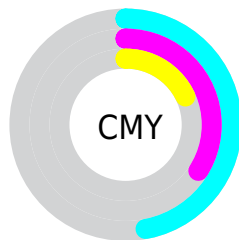
- Red (53%)
- Green (66%)
- Blue (82%)



- Red (53%)
- Yellow (62%)
- Blue (82%)



- Cyan (35%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)



- Cyan (47%)
- Magenta (34%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6646, 37.8430, 65.7463 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 35.6646, 37.8430, 65.7463 by changing the saturation by 10% instead.

■ 35.6646, 37.8430,
65.7463

■ 35.6646, 37.8430,
65.7463

318.9491,
336.9460, 463.8484

■ 24.3442, 25.8609,
47.6113

■ 67.8413, 71.8674,
114.7457

■ 15.7152, 16.7196,
33.1614

■ 89.4284, 94.6785,
146.4471

■ 9.4124, 10.0348,
21.9780

■ 115.1683,
121.8680, 183.5078

■ 5.0704, 5.4220,
13.6425

145.4265,
153.8204, 226.3462

■ 2.3238, 2.4969,
7.7366

180.5683,
190.9200, 275.3809

■ 0.8068, 0.8751,
3.8415

220.9591,

■ 0.0000, 0.0000,

233.5512, 331.0305

1.5388

266.9642,
282.0984, 393.7135

■ 0.0000, 0.0000,
0.2466

■ 0.0000, 0.0000,
0.0000

■ 35.6646, 37.8430,
65.7463

■ 35.6646, 37.8430,
65.7463

■ 30.5255, 32.1214,
64.9134

■ 41.6636, 44.3000,
66.6771

■ 26.1990, 27.1005,
64.1723

■ 48.5593, 51.5163,
67.7066

■ 22.6381, 22.7492,
63.5201

■ 56.3907, 59.5198,
68.8386

■ 19.7893, 19.0314,
62.9527

■ 65.1932, 68.3356,
70.0763

■ 17.5911, 15.9068,
62.4654

■ 75.0005, 77.9878,
71.4225

■ 15.9695, 13.3280,
62.0531

■ 83.4492, 87.2643,
72.7677

■ 15.3031, 12.1921,
61.8690

■ 86.9872, 94.3404,
73.9471

■ 88.5087, 97.3835,
74.4542

Harmonies

Analogous

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



32.2067, 37.8430, 61.4367



35.6646, 37.8430, 65.7463



39.4483, 37.8430, 62.5834

Triad

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



35.6646, 37.8430, 65.7463



42.8144, 37.8430, 32.2795



30.1648, 37.8430, 31.0112

Complementary

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



35.6646, 37.8430, 65.7463



46.4612, 46.7777, 29.8739

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.



32.6998, 37.8430, 25.3505



35.6646, 37.8430, 65.7463



40.0126, 37.8430, 25.9874

Square

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



35.6646, 37.8430, 65.7463



43.7444, 37.8430, 42.0840



36.2744, 37.8430, 23.6852



29.1736, 37.8430, 40.3375

Rectangle

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



35.6646, 37.8430, 65.7463



41.6175, 37.8430, 56.9248



36.2744, 37.8430, 23.6852



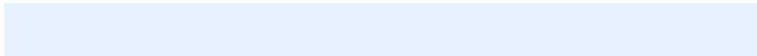
30.8556, 37.8430, 28.6829

Sweetspot

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



35.6658, 37.8445, 65.7472



81.8831, 86.6808, 107.0231



40.8061, 53.9765, 49.4210



17.1568, 18.1748, 22.8538



0.0000, 0.0000, 0.0000



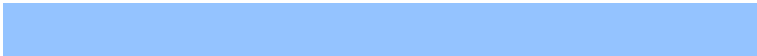
20.3446, 21.4041, 23.3091

Same Dimension

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



35.6658, 37.8445, 65.7472



49.7261, 52.4694, 102.1145



31.0702, 27.7580, 64.0425



11.5840, 12.2582, 14.9992



9.5298, 7.7063, 38.1777



0.6112, 0.5876, 2.1608

Inverse Universe

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



42.1676, 33.9919, 41.3860



61.6475, 46.3418, 57.2363



52.5187, 60.4082, 32.1856



12.0209, 11.8931, 13.3859



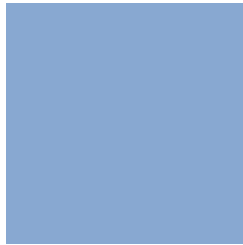
17.4410, 8.8492, 7.2282



1.0147, 0.5106, 0.6124

Previews

White Background



This preview shows how the XYZ color 35.6646, 37.8430, 65.7463 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 35.6646, 37.8430, 65.7463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

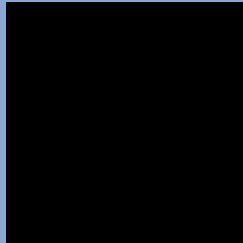
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

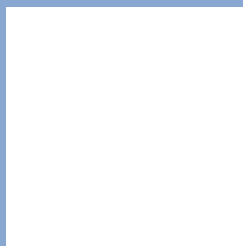
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6646, 37.8430, 65.7463

Background



This preview shows how black text looks on a background with the XYZ color 35.6646, 37.8430, 65.7463.



This preview shows how white text looks on a background with the XYZ color 35.6646, 37.8430,

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

35.6646, 37.8430, 65.7463

Protanopia

37.7553, 37.6192, 63.6638

Deuteranopia

38.4578, 37.6619, 66.2153



Tritanopia

32.9755, 37.8755, 52.0271

Trichromacy



Original Color

35.6646, 37.8430, 65.7463

Protanomaly

36.9304, 37.7112, 64.3640

Deuteranomaly

37.3027, 37.5936, 66.2630

Tritanomaly

33.9734, 38.0074, 56.5845

Monochromacy



Original Color

35.6646, 37.8430, 65.7463

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.8302, 36.9779, 48.4817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6646, 37.8430, 65.7463 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(136, 168, 209)` looks like.

```
.text, #text, p{  
    color:rgb(136, 168, 209)  
}
```

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(136, 168, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 168, 209) }
```

Border

The CSS property to change the border of an element to XYZ 35.6646, 37.8430, 65.7463 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(136, 168, 209) }
```


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

```
.border{ border-color:rgb(136, 168, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 168, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 168, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 168, 209);  
box-shadow:4px 4px 4px 4px rgb(136, 168,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6646, 37.8430, 65.7463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 168, 209) }
```

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

```
.background{ background-color: rgb(136,  
168, 209) }
```

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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