

Converting Colors

XYZ(36.2174, 42.3475, 65.1051)

Have a look what the booklet for
XYZ(36.2174, 42.3475, 65.1051)
contains.

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Color

**XYZ(36.1588, 42.1718,
65.2657)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB6CF
RGB	123, 182, 207
RGB Percent	48%, 71%, 81%
CMY	0.5176, 0.2863, 0.1882
CMYK	0.41, 0.12, 0.00, 0.19
HSL	198°, 47%, 65%
HSV	198°, 41%, 81%
XYZ	36.1588, 42.1718, 65.2657
YIQ	167.2090, -43.1890, -4.7330

Conversions

Conversions Part 2

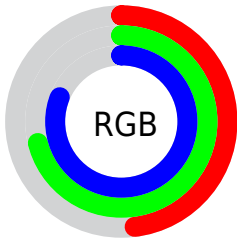
Format	Color
RYB	123, 158, 207
Decimal	8107727
CIELab	70.99, -12.66, -18.65
CIELCh	71, 22.540, 235.833
Yxy	42.1718, 0.2518, 0.2937
Android (android.graphics.Color)	4286297807 (0xFF7BB6CF)
YUV	167.2090, 19.6170, -38.7713
Hunter-Lab	64.9398, -14.2550, -14.1297

Details

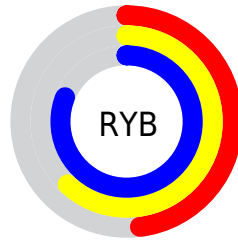
The XYZ color **36.1588, 42.1718, 65.2657** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.8980, 35.8761, 23.5621**, and the grayscale version is **36.7560, 38.6701, 42.1118**.

A 20% lighter version of the original color is **67.2149, 77.9528, 106.1115**, and **16.0543, 19.2656, 33.0095** is the 20% darker color. If you saturate the color by 10%, you get **32.2711, 38.3366, 64.7311**, and if you desaturate by 10%, it is **40.7307, 46.4441, 65.8501**.

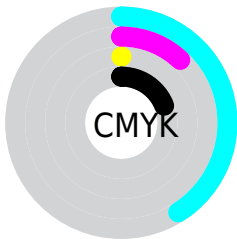
Distribution



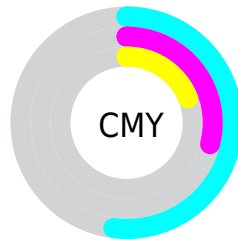
- Red (48%)
- Green (71%)
- Blue (81%)



- Red (48%)
- Yellow (62%)
- Blue (81%)



- Cyan (41%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)



- Cyan (52%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1588, 42.1718, 65.2657 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 36.1588, 42.1718, 65.2657 by changing the saturation by 10% instead.

■ 36.1588, 42.1718,
65.2657

■ 36.1588, 42.1718,
65.2657

321.0732,
355.1946, 462.0785

■ 24.7275, 29.2358,
47.2238

■ 68.5994, 78.4596,
114.0487

■ 16.0018, 19.2593,
32.8570

■ 90.3394, 102.5802,
145.6269

■ 9.6163, 11.8578,
21.7467

■ 116.2464,
131.1978, 182.5544

■ 5.2056, 6.6469,
13.4744

146.6857,
164.6968, 225.2495

■ 2.4044, 3.2423,
7.6215

182.0227,
203.4616, 274.1310

■ 0.8473, 1.2595,
3.7694

222.6227,

■ 0.0000, 0.1095,

247.8765, 329.6173

1.4997

268.8511,
298.3261, 392.1269

■ 0.0000, 0.0000,
0.2177

■ 0.0000, 0.0000,
0.0000

■ 36.1588, 42.1718,
65.2657

■ 36.1588, 42.1718,
65.2657

■ 32.2711, 38.3366,
64.7311

■ 40.7307, 46.4441,
65.8501

■ 29.0231, 34.9116,
64.2412

■ 46.0200, 51.1686,
66.4833

■ 26.3712, 31.8741,
63.7947

■ 52.0620, 56.3656,
67.1679

■ 24.2638, 29.1966,
63.3889

■ 58.8888, 62.0527,
67.9058

■ 22.6400, 26.8465,
63.0209

■ 66.5304, 68.2461,
68.6985

■ 21.4487, 24.8772,
62.7036

■ 75.0152, 74.9617,
69.5476

■ 79.4620, 79.6839,
70.2247

■ 81.1589, 83.0776,
70.7903

■ 82.9165, 86.5928,
71.3762

Harmonies

Analogous

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



33.9223, 42.1718, 55.5427



36.1588, 42.1718, 65.2657



39.5600, 42.1718, 69.8155

Triad

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



36.1588, 42.1718, 65.2657



47.7336, 42.1718, 47.4388



37.0149, 42.1718, 29.6910

Complementary

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



36.1588, 42.1718, 65.2657



39.8980, 35.8761, 23.5621

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.



40.6106, 42.1718, 28.2103



36.1588, 42.1718, 65.2657



46.9478, 42.1718, 37.4747

Square

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



36.1588, 42.1718, 65.2657



46.3666, 42.1718, 58.5537



44.2814, 42.1718, 30.8302



34.3945, 42.1718, 35.2448

Rectangle

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



36.1588, 42.1718, 65.2657



42.0878, 42.1718, 68.8537



44.2814, 42.1718, 30.8302



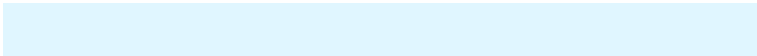
38.1430, 42.1718, 28.7416

Sweetspot

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



36.1601, 42.1734, 65.2667



81.8379, 88.9779, 107.4689



35.7330, 50.9379, 35.4715



17.2330, 18.8032, 22.9711



0.0000, 0.0000, 0.0000



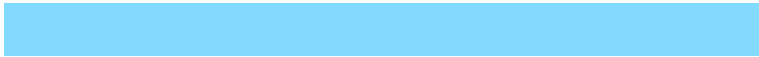
20.3446, 21.4041, 23.3091

Same Dimension

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



36.1601, 42.1734, 65.2667



52.2868, 62.0162, 103.8223



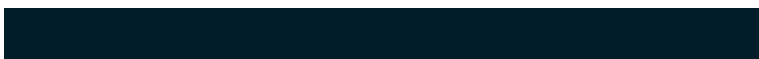
28.9864, 27.8260, 62.8755



11.8489, 12.7882, 15.0875



13.5994, 15.8454, 39.5342



0.8278, 1.0207, 2.2330

Inverse Universe

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



41.2597, 30.8099, 48.0299



61.8599, 42.2908, 71.1048



47.4628, 51.0057, 26.0836



12.1546, 11.9466, 14.0902



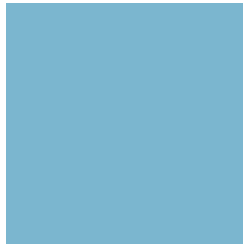
19.4951, 9.6709, 18.0451



1.1241, 0.5543, 1.1881

Previews

White Background



This preview shows how the XYZ color 36.1588, 42.1718, 65.2657 looks on a white background.

Color Contrast Check

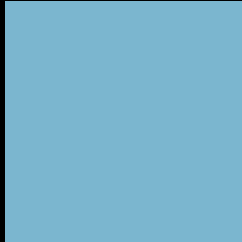
Large Text (above 18pt) WCAG AA × Fail

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 36.1588, 42.1718, 65.2657 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 36.1588, 42.1718, 65.2657

Background



This preview shows how black text looks on a background with the XYZ color 36.1588, 42.1718, 65.2657.



This preview shows how white text looks on a background with the XYZ color 36.1588, 42.1718,

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

36.1588, 42.1718, 65.2657

Protanopia

41.3263, 42.0000, 60.5723

Deuteranopia

42.8341, 41.7997, 66.7833



Tritanopia

35.0117, 42.0091, 59.6893

Trichromacy



Original Color

36.1588, 42.1718, 65.2657

Protanomaly

39.2537, 42.0379, 62.5451

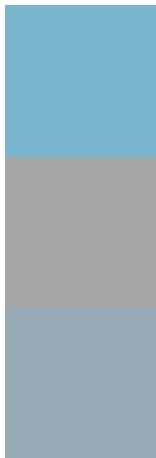
Deuteranomaly

39.9711, 41.7456, 66.2726

Tritanomaly

35.5021, 42.2216, 61.5368

Monochromacy



Original Color

36.1588, 42.1718, 65.2657

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.9585, 39.4618, 49.9776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1588, 42.1718, 65.2657 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(123, 182, 207)` looks like.

```
.text, #text, p{  
    color:rgb(123, 182, 207)  
}
```

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(123, 182, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 182, 207) }
```

Border

The CSS property to change the border of an element to XYZ 36.1588, 42.1718, 65.2657 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(123, 182, 207) }
```


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

```
.border{ border-color:rgb(123, 182, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 182, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 182, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 182, 207); box-shadow:4px 4px 4px 4px rgb(123, 182, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1588, 42.1718, 65.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 182, 207) }
```

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

```
.background{ background-color: rgb(123,  
182, 207) }
```

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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