

Converting Colors

XYZ(36.4142, 45.9942, 66.9593)

Have a look what the booklet for
XYZ(36.4142, 45.9942, 66.9593)
contains.

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Color

**XYZ(36.5093, 46.1301,
67.3014)**

Conversions

Conversions Part 1

Format	Color
Hex	68C2D1
RGB	104, 194, 209
RGB Percent	41%, 76%, 82%
CMY	0.5921, 0.2392, 0.1804
CMYK	0.50, 0.07, 0.00, 0.18
HSL	189°, 53%, 61%
HSV	189°, 50%, 82%
XYZ	36.5093, 46.1301, 67.3014
YIQ	168.8000, -58.4550, -14.4150

Conversions

Conversions Part 2

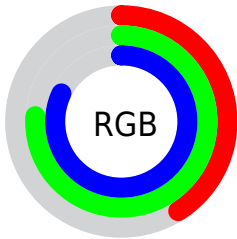
Format	Color
RYB	104, 152, 209
Decimal	6865617
CIELab	73.63, -22.87, -15.83
CIELCh	74, 27.819, 214.689
Yxy	46.1301, 0.2435, 0.3077
Android (android.graphics.Color)	4285055697 (0xFF68C2D1)
YUV	168.8000, 19.8186, -56.8296
Hunter-Lab	67.9191, -22.9075, -11.2073

Details

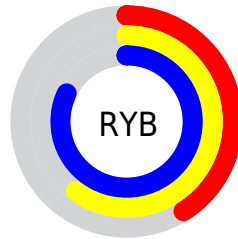
The XYZ color **36.5093, 46.1301, 67.3014** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.3909, 27.7493, 16.5887**, and the grayscale version is **37.5404, 39.4954, 43.0105**.

A 20% lighter version of the original color is **67.4475, 83.8957, 107.2464**, and **16.2089, 21.5941, 34.3241** is the 20% darker color. If you saturate the color by 10%, you get **33.7200, 43.7166, 66.9834**, and if you desaturate by 10%, it is **39.9160, 48.8837, 67.6542**.

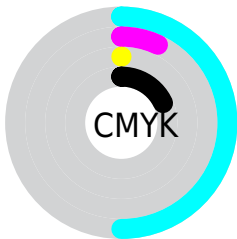
Distribution



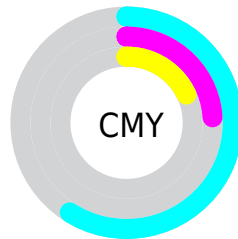
- Red (41%)
- Green (76%)
- Blue (82%)



- Red (41%)
- Yellow (60%)
- Blue (82%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5093, 46.1301, 67.3014 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 36.5093, 46.1301, 67.3014 by changing the saturation by 10% instead.

36.5093, 46.1301,
67.3014

36.5093, 46.1301,
67.3014

322.5737,
371.3314, 469.5475

24.9997, 32.3485,
48.8665

69.1362, 84.4137,
116.9969

16.2056, 21.6278,
34.1487

90.9842, 109.6844,
149.0946

9.7615, 13.5837,
22.7296

117.0091,
139.5537, 186.5836

5.3022, 7.8317,
14.1905

147.5761,
174.4059, 229.8825

2.4622, 3.9874,
8.1130

183.0508,
214.6253, 279.4098

0.8762, 1.6665,
4.0786

223.7984,

0.0000, 0.4018,

260.5965, 335.5840

1.6685

270.1842,
312.7037, 398.8238

■ 0.0000, 0.0000,
0.3390

■ 0.0000, 0.0000,
0.0000

■ 36.5093, 46.1301,
67.3014

■ 36.5093, 46.1301,
67.3014

■ 33.7200, 43.7166,
66.9834

■ 39.9160, 48.8837,
67.6542

■ 31.4984, 41.6145,
66.6947


■ 43.9764, 51.9932,
68.0404


■ 29.7942, 39.7988,
66.4341


■ 48.7292, 55.4797,
68.4628


■ 28.5461, 38.2376,
66.1985


■ 54.2087, 59.3609,
68.9232


 27.6584, 36.9027,
65.9877

 60.4468, 63.6535,
69.4229

 67.4738, 68.3732,
69.9636

 75.3179, 73.5346,
70.5464

 77.7908, 75.9476,
70.8818

 78.5715, 77.5089,
71.1420

Harmonies

Analogous

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



35.0667, 46.1301, 52.4781



36.5093, 46.1301, 67.3014



39.9193, 46.1301, 78.9566

Triad

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



36.5093, 46.1301, 67.3014



52.9770, 46.1301, 62.7403



43.0755, 46.1301, 27.7533

Complementary

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



36.5093, 46.1301, 67.3014



35.3909, 27.7493, 16.5887

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.



48.0206, 46.1301, 29.4802



36.5093, 46.1301, 67.3014



53.9788, 46.1301, 48.0428

Square

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



36.5093, 46.1301, 67.3014



49.4597, 46.1301, 75.9964



52.1035, 46.1301, 36.3176



38.6727, 46.1301, 31.0622

Rectangle

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



36.5093, 46.1301, 67.3014



42.9744, 46.1301, 82.3677



52.1035, 46.1301, 36.3176



44.7278, 46.1301, 27.7706

Sweetspot

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



36.5107, 46.1319, 67.3025



80.6327, 90.0168, 107.7329



31.7805, 49.8530, 25.0883



16.8719, 18.9924, 23.0266



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.



36.5107, 46.1319, 67.3025



52.7095, 68.4048, 105.0331



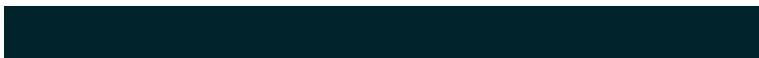
26.9663, 27.0429, 64.1210



12.0084, 13.1072, 15.1407



17.1085, 22.8636, 40.7039



0.9970, 1.3591, 2.2894

Inverse Universe

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



40.9836, 27.3522, 54.1603



60.7201, 36.6542, 81.0742



43.2629, 43.4933, 19.2127



12.2352, 11.9788, 14.5141



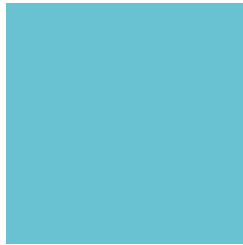
21.2663, 10.3794, 27.3723



1.2095, 0.5885, 1.6378

Previews

White Background



This preview shows how the XYZ color 36.5093, 46.1301, 67.3014 looks on a white background.

Color Contrast Check

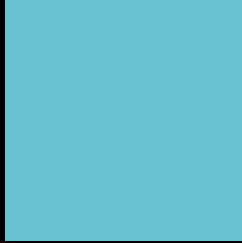
Large Text (above 18pt) WCAG AA × Fail

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 36.5093, 46.1301, 67.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

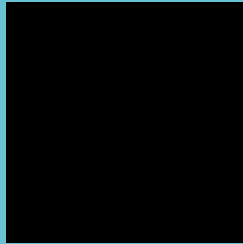
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5093, 46.1301, 67.3014

Background



This preview shows how black text looks on a background with the XYZ color 36.5093, 46.1301, 67.3014.



This preview shows how white text looks on a background with the XYZ color 36.5093, 46.1301,

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

36.5093, 46.1301, 67.3014

Protanopia

44.5604, 45.7108, 60.5073

Deuteranopia

46.5916, 45.6785, 69.3120



Tritanopia

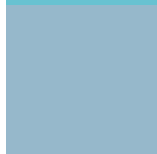
36.6336, 46.1798, 67.9556

Trichromacy



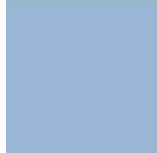
Original Color

36.5093, 46.1301, 67.3014



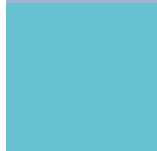
Protanomaly

40.4977, 45.0768, 63.0662



Deuteranomaly

41.9540, 45.3927, 68.8378



Tritanomaly

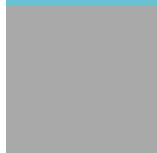
36.6336, 46.1798, 67.9556

Monochromacy



Original Color

36.5093, 46.1301, 67.3014



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

36.2492, 41.3212, 51.4127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5093, 46.1301, 67.3014 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(104, 194, 209)` looks like.

```
.text, #text, p{  
    color:rgb(104, 194, 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(104, 194, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 194, 209) }
```

Border

The CSS property to change the border of an element to XYZ 36.5093, 46.1301, 67.3014 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(104, 194, 209) }
```


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

```
.border{ border-color:rgb(104, 194, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 194, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 194, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 194, 209);  
box-shadow:4px 4px 4px 4px rgb(104, 194,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5093, 46.1301, 67.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 194, 209) }
```

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

```
.background{ background-color: rgb(104,  
194, 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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