

Converting Colors

XYZ(35.0942, 45.6387, 63.9019)

Have a look what the booklet for
XYZ(35.0942, 45.6387, 63.9019)
contains.

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Color

**XYZ(35.0147, 45.4300,
64.0501)**

Conversions

Conversions Part 1

Format	Color
Hex	60C2CC
RGB	96, 194, 204
RGB Percent	38%, 76%, 80%
CMY	0.6235, 0.2392, 0.2000
CMYK	0.53, 0.05, 0.00, 0.20
HSL	186°, 51%, 59%
HSV	186°, 53%, 80%
XYZ	35.0147, 45.4300, 64.0501
YIQ	165.8380, -61.6180, -17.6660

Conversions

Conversions Part 2

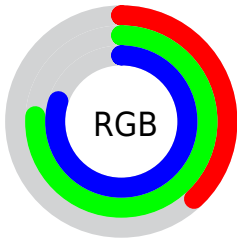
Format	Color
RYB	96, 147, 204
Decimal	6341324
CIELab	73.17, -25.94, -13.83
CIELCh	73, 29.395, 208.064
Yxy	45.4300, 0.2423, 0.3144
Android (android.graphics.Color)	4284531404 (0xFF60C2CC)
YUV	165.8380, 18.8139, -61.2479
Hunter-Lab	67.4018, -25.2238, -9.1604

Details

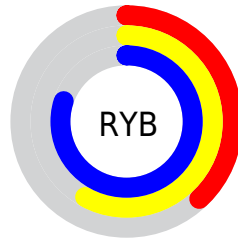
The XYZ color **35.0147, 45.4300, 64.0501** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.1680, 23.9908, 14.0027**, and the grayscale version is **36.1019, 37.9820, 41.3624**.

A 20% lighter version of the original color is **65.8736, 83.0844, 107.1727**, and **15.3351, 21.1912, 32.1362** is the 20% darker color. If you saturate the color by 10%, you get **32.7232, 43.6297, 63.8242**, and if you desaturate by 10%, it is **37.8711, 47.5315, 64.3060**.

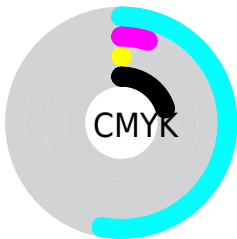
Distribution



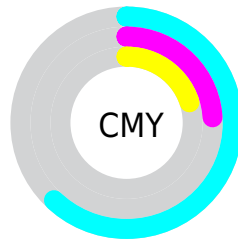
- Red (38%)
- Green (76%)
- Blue (80%)



- Red (38%)
- Yellow (58%)
- Blue (80%)



- Cyan (53%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (62%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.0147, 45.4300, 64.0501 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 35.0147, 45.4300, 64.0501 by changing the saturation by 10% instead.


 35.0147, 45.4300,
64.0501


 35.0147, 45.4300,
64.0501


316.1401,
368.5123, 457.5830


 23.8408, 31.7963,
46.2448

 66.8424, 83.3653,
112.2832


 15.3396, 21.2059,
32.0890


 88.2269, 108.4356,
143.5482

 9.1460, 13.2746,
21.1641


 113.7456,
138.0870, 180.1368

 4.8944, 7.6179,
13.0516

 143.7639,
172.7037, 222.4675

 2.2195, 3.8514,
7.3329

178.6472,
212.6702, 270.9589

 0.7530, 1.5908,
3.5896

218.7607,

 0.0000, 0.3514,

258.3709, 326.0296

1.4030

264.4699,
310.1901, 388.0981

■ 0.0000, 0.0000,
0.1441

■ 0.0000, 0.0000,
0.0000

■ 35.0147, 45.4300,
64.0501

■ 35.0147, 45.4300,
64.0501

■ 32.7232, 43.6297,
63.8242

■ 37.8711, 47.5315,
64.3060

■ 30.9484, 42.1026,
63.6230

■ 41.3277, 49.9494,
64.5905

■ 29.6411, 40.8244,
63.4452

■ 45.4216, 52.7038,
64.9064

■ 28.7403, 39.7635,
63.2879

■ 50.1857, 55.8118,
65.2552

■ 28.2723, 39.1059,
63.1856

■ 55.6508, 59.2891,
65.6383

■ 61.8456, 63.1507,
66.0572

■ 68.7972, 67.4105,
66.5130

■ 74.9672, 71.2756,
66.9339

■ 75.4336, 72.2085,
67.0894

Harmonies

Analogous

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



34.0163, 45.4300, 48.5134



35.0147, 45.4300, 64.0501



38.1487, 45.4300, 77.6611

Triad

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



35.0147, 45.4300, 64.0501



52.1445, 45.4300, 66.0422



43.5153, 45.4300, 26.1830

Complementary

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



35.0147, 45.4300, 64.0501



32.1680, 23.9908, 14.0027

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.



48.6350, 45.4300, 29.0833



35.0147, 45.4300, 64.0501



53.8569, 45.4300, 50.4300

Square

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



35.0147, 45.4300, 64.0501



48.0103, 45.4300, 78.9628



52.5249, 45.4300, 37.2822



38.6848, 45.4300, 28.4159

Rectangle

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



35.0147, 45.4300, 64.0501



41.1633, 45.4300, 82.7402



52.5249, 45.4300, 37.2822



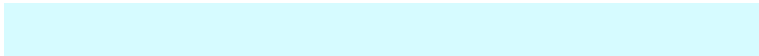
45.2612, 45.4300, 26.5757

Sweetspot

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



35.0161, 45.4317, 64.0512



80.4068, 90.6799, 107.8728



28.9676, 46.6934, 20.8518



16.8548, 19.1777, 23.0633



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.



35.0161, 45.4317, 64.0512



53.5718, 71.7412, 105.6317



25.2489, 25.8975, 60.7955



11.4510, 12.5425, 14.3878



17.8311, 24.6863, 39.7814



0.9464, 1.3266, 2.0611

Inverse Universe

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



38.8234, 25.0993, 53.8392



60.7619, 35.1645, 85.9384



39.4123, 38.4794, 16.4175



11.6410, 11.3851, 13.9102



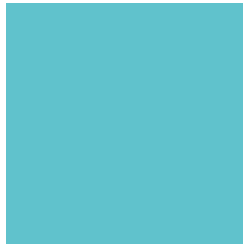
21.2112, 10.2951, 29.8948



1.1076, 0.5365, 1.6127

Previews

White Background



This preview shows how the XYZ color 35.0147, 45.4300, 64.0501 looks on a white background.

Color Contrast Check

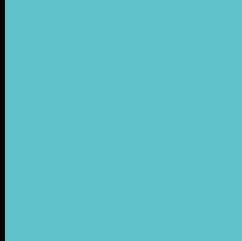
Large Text (above 18pt) WCAG AA × Fail

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 35.0147, 45.4300, 64.0501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

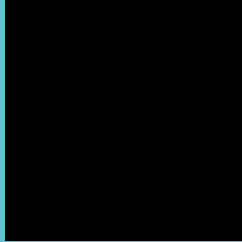
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.0147, 45.4300, 64.0501

Background



This preview shows how black text looks on a background with the XYZ color 35.0147, 45.4300, 64.0501.

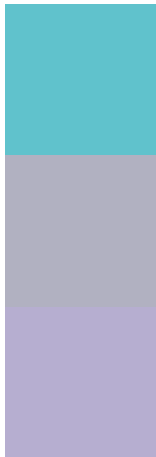


This preview shows how white text looks on a background with the XYZ color 35.0147, 45.4300,

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

35.0147, 45.4300, 64.0501

Protanopia

43.4792, 44.6416, 56.7772

Deuteranopia

45.8126, 44.7713, 65.9016



Tritanopia

35.6156, 45.3400, 67.1960

Trichromacy



Original Color

35.0147, 45.4300, 64.0501

Protanomaly

39.2243, 44.1941, 59.2863

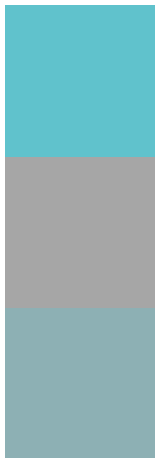
Deuteranomaly

40.5489, 44.1321, 65.4127

Tritanomaly

35.2622, 45.1863, 65.8948

Monochromacy



Original Color

35.0147, 45.4300, 64.0501

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.7481, 40.0087, 49.0710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0147, 45.4300, 64.0501 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(96, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(96, 194, 204)  
}
```

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(96, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 194, 204) }
```

Border

The CSS property to change the border of an element to XYZ 35.0147, 45.4300, 64.0501 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(96, 194, 204) }
```


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

```
.border{ border-color:rgb(96, 194, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 194, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(96, 194,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0147, 45.4300, 64.0501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 194, 204) }
```

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

```
.background{ background-color: rgb(96, 194,  
204) }
```

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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