

Converting Colors

XYZ(35.8736, 48.0034, 59.5994)

Have a look what the booklet for
XYZ(35.8736, 48.0034, 59.5994)
contains.

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Color

**XYZ(35.8736, 48.0034,
59.5994)**

Conversions

Conversions Part 1

Format	Color
Hex	64C8C4
RGB	100, 200, 196
RGB Percent	39%, 78%, 77%
CMY	0.6078, 0.2157, 0.2314
CMYK	0.50, 0.00, 0.02, 0.22
HSL	178°, 48%, 59%
HSV	178°, 50%, 78%
XYZ	35.8736, 48.0034, 59.5994
YIQ	169.6440, -58.3160, -22.4440

Conversions

Conversions Part 2

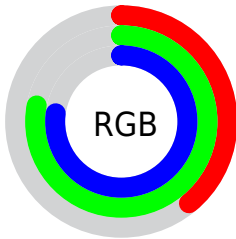
Format	Color
RYB	100, 151, 200
Decimal	6604996
CIELab	74.83, -30.16, -7.00
CIElCh	75, 30.959, 193.076
Yxy	48.0034, 0.2500, 0.3346
Android (android.graphics.Color)	4284795076 (0xFF64C8C4)
YUV	169.6440, 12.9935, -61.0778
Hunter-Lab	69.2845, -28.8255, -2.5029

Details

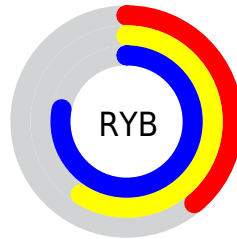
The XYZ color **35.8736, 48.0034, 59.5994** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.8769, 22.3946, 15.7935**, and the grayscale version is **37.9908, 39.9693, 43.5265**.

A 20% lighter version of the original color is **67.5902, 85.8809, 105.9428**, and **15.8545, 22.8681, 29.1695** is the 20% darker color. If you saturate the color by 10%, you get **33.8367, 46.9650, 59.0308**, and if you desaturate by 10%, it is **38.4568, 49.3256, 60.1983**.

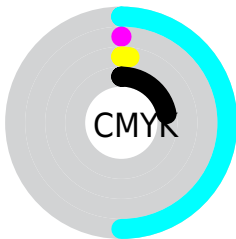
Distribution



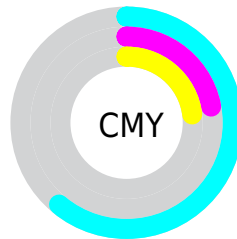
- Red (39%)
- Green (78%)
- Blue (77%)



- Red (39%)
- Yellow (59%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)





- Cyan (61%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8736, 48.0034, 59.5994 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 35.8736, 48.0034, 59.5994 by changing the saturation by 10% instead.


 35.8736, 48.0034,
59.5994


 35.8736, 48.0034,
59.5994


319.8486,
378.8056, 440.8832


 24.5062, 33.8296,
42.6726


 68.1621, 87.2095,
105.7860


 15.8363, 22.7627,
29.2988

 89.8139, 113.0105,
135.8829

 9.4985, 14.4184,
19.0595


 115.6246,
143.4561, 171.2070

 5.1275, 8.4122,
11.5360

 145.9595,
178.9306, 212.1767

 2.3578, 4.3598,
6.3099

181.1840,
219.8184, 259.2107

 0.8240, 1.8768,
2.9626

221.6635,

 0.0000, 0.5344,

266.5039, 312.7273

1.0756

267.7632,
319.3715, 373.1453

■ 0.0000, 0.0000,
0.0000

■ 35.8736, 48.0034,
59.5994

■ 35.8736, 48.0034,
59.5994

■ 33.8367, 46.9650,
59.0308

■ 38.4568, 49.3256,
60.1983

■ 32.3014, 46.1839,
58.4871

■ 41.6183, 50.9449,
60.8257

■ 31.2230, 45.6384,
57.9673


■ 45.3929, 52.8801,
61.4843


■ 30.5469, 45.3002,
57.4689


■ 49.8111, 55.1470,
62.1756


■ 30.1694, 45.1159,
56.9869


■ 54.9018, 57.7606,
62.9010

 30.1694, 45.1158,
56.9869

 60.6917, 60.7345,
63.6616

 67.2063, 64.0821,
64.4587

 72.6037, 66.8536,
65.2061

 72.6990, 66.8917,
65.7079

Harmonies

Analogous

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



36.0341, 48.0034, 43.7529



35.8736, 48.0034, 59.5994



38.1672, 48.0034, 76.4266

Triad

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



35.8736, 48.0034, 59.5994



53.4248, 48.0034, 78.3384



48.8498, 48.0034, 27.8661

Complementary

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



35.8736, 48.0034, 59.5994



30.8769, 22.3946, 15.7935

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.



53.9978, 48.0034, 33.8258



35.8736, 48.0034, 59.5994



56.7844, 48.0034, 61.8209

Square

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



35.8736, 48.0034, 59.5994



48.1188, 48.0034, 88.6514



57.0023, 48.0034, 45.5631



43.2204, 48.0034, 27.5134

Rectangle

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



35.8736, 48.0034, 59.5994



40.8979, 48.0034, 85.0653



57.0023, 48.0034, 45.5631



50.7046, 48.0034, 29.2138

Sweetspot

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



35.8750, 48.0053, 59.6005



82.1055, 93.3552, 107.0129



28.7817, 45.2338, 19.2717



17.2306, 19.8057, 22.8507



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.



35.8750, 48.0053, 59.6005



58.3192, 81.1767, 102.1169



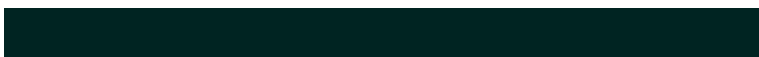
27.4037, 30.3238, 59.0544



10.9277, 12.0600, 13.5693



19.1903, 28.6885, 36.2762



0.9145, 1.3607, 1.7484

Inverse Universe

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



30.8769, 22.3946, 15.7935



48.7047, 31.8481, 17.8020



36.2468, 33.4520, 16.6041



10.6508, 10.6437, 11.1443



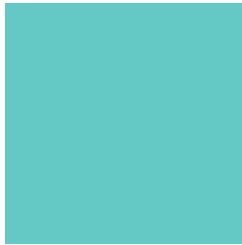
15.1810, 7.8220, 0.8972



0.7250, 0.3728, 0.0748

Previews

White Background



This preview shows how the XYZ color 35.8736, 48.0034, 59.5994 looks on a white background.

Color Contrast Check

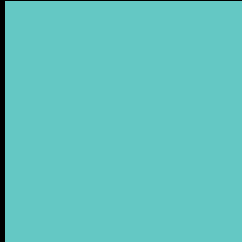
Large Text (above 18pt) WCAG AA × Fail

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 35.8736, 48.0034, 59.5994 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

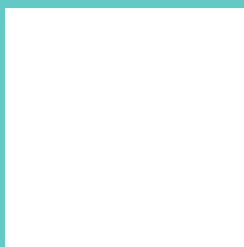
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8736, 48.0034, 59.5994

Background



This preview shows how black text looks on a background with the XYZ color 35.8736, 48.0034, 59.5994.

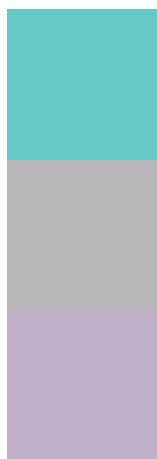


This preview shows how white text looks on a background with the XYZ color 35.8736, 48.0034,

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

35.8736, 48.0034, 59.5994

Protanopia

45.4925, 47.2730, 52.6258

Deuteranopia

48.4553, 47.3953, 61.8527



Tritanopia

37.9204, 47.8008, 70.1786

Trichromacy



Original Color

35.8736, 48.0034, 59.5994

Protanomaly

40.7093, 46.9393, 55.0587

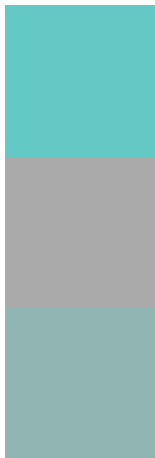
Deuteranomaly

42.1658, 46.6123, 60.8075

Tritanomaly

37.1655, 47.8362, 66.3060

Monochromacy



Original Color

35.8736, 48.0034, 59.5994

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.3376, 42.3222, 48.9016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8736, 48.0034, 59.5994 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(100, 200, 196)` looks like.

```
.text, #text, p{  
    color:rgb(100, 200, 196)  
}
```

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(100, 200, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 200, 196) }
```

Border

The CSS property to change the border of an element to XYZ 35.8736, 48.0034, 59.5994 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(100, 200, 196) }
```


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

```
.border{ border-color:rgb(100, 200, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 200, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 200, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 200, 196);  
box-shadow:4px 4px 4px 4px rgb(100, 200,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8736, 48.0034, 59.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 200, 196) }
```

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

```
.background{ background-color: rgb(100,  
200, 196) }
```

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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