

Converting Colors

XYZ(36.7684, 48.9610, 59.9462)

Have a look what the booklet for
XYZ(36.7684, 48.9610, 59.9462)
contains.

XYZ(36.6761, 48.7621, 59.7035)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.6761, 48.7621,
59.7035)**

Conversions

Conversions Part 1

Format	Color
Hex	69C9C4
RGB	105, 201, 196
RGB Percent	41%, 79%, 77%
CMY	0.5882, 0.2118, 0.2314
CMYK	0.48, 0.00, 0.02, 0.21
HSL	177°, 47%, 60%
HSV	177°, 48%, 79%
XYZ	36.6761, 48.7621, 59.7035
YIQ	171.7260, -55.6110, -21.9070

Conversions

Conversions Part 2

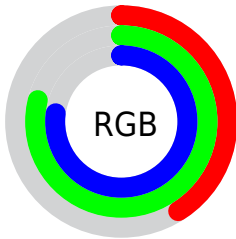
Format	Color
RYB	105, 154, 201
Decimal	6932932
CIELab	75.30, -29.53, -6.28
CIElCh	75, 30.194, 192.002
Yxy	48.7621, 0.2527, 0.3360
Android (android.graphics.Color)	4285123012 (0xFF69C9C4)
YUV	171.7260, 11.9671, -58.5187
Hunter-Lab	69.8299, -28.4503, -1.8112

Details

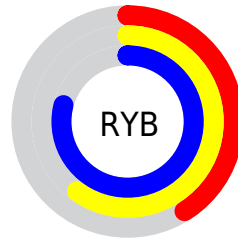
The XYZ color **36.6761, 48.7621, 59.7035** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.9551, 23.6478, 17.6337**, and the grayscale version is **39.0370, 41.0700, 44.7252**.

A 20% lighter version of the original color is **68.3899, 86.2932, 105.9802**, and **16.3549, 23.3559, 29.2373** is the 20% darker color. If you saturate the color by 10%, you get **34.4701, 47.6398, 58.9811**, and if you desaturate by 10%, it is **39.4437, 50.1762, 60.4587**.

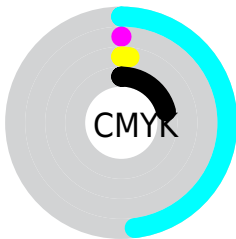
Distribution



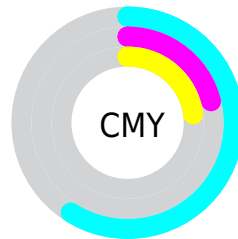
- Red (41%)
- Green (79%)
- Blue (77%)



- Red (41%)
- Yellow (60%)
- Blue (79%)



- Cyan (48%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)



- Cyan (59%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6761, 48.7621, 59.7035 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 36.6761, 48.7621, 59.7035 by changing the saturation by 10% instead.

■ 36.6761, 48.7621,
59.7035

■ 36.6761, 48.7621,
59.7035

323.2860,
381.8050, 441.2783

■ 25.1293, 34.4308,
42.7560

■ 69.3914, 88.3380,
105.9386

■ 16.3027, 23.2247,
29.3637

■ 91.2907, 114.3514,
136.0632

■ 9.8308, 14.7595,
19.1082

■ 117.3715,
145.0277, 171.4173

■ 5.3483, 8.6508,
11.5709

■ 147.9992,
180.7511, 212.4194

■ 2.4899, 4.5141,
6.3332

183.5391,
221.9062, 259.4880

■ 0.8902, 1.9651,
2.9767

224.3567,

■ 0.0000, 0.5871,

268.8773, 313.0416

1.0827

270.8172,
322.0487, 373.4989

■ 0.0000, 0.0000,
0.0000

■ 36.6761, 48.7621,
59.7035

■ 36.6761, 48.7621,
59.7035

■ 34.4701, 47.6398,
58.9811

■ 39.4437, 50.1762,
60.4587

■ 32.7815, 46.7829,
58.2862

■ 42.8047, 51.8949,
61.2449

■ 31.5666, 46.1701,
57.6178


■ 46.7934, 53.9372,
62.0648


■ 30.7722, 45.7740,
56.9734


■ 51.4405, 56.3187,
62.9199


■ 30.3219, 45.5552,
56.3494


■ 56.7746, 59.0543,
63.8116

 30.2398, 45.5159,
56.2111

 62.8225, 62.1578,
64.7411

 69.6096, 65.6423,
65.7095

 73.0722, 67.4129,
66.5268

 73.1986, 67.4634,
67.1923

Harmonies

Analogous

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



36.9237, 48.7621, 44.2025



36.6761, 48.7621, 59.7035



38.8631, 48.7621, 76.2732

Triad

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



36.6761, 48.7621, 59.7035



53.8579, 48.7621, 79.1861



49.7217, 48.7621, 29.0158

Complementary

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



36.6761, 48.7621, 59.7035



31.9551, 23.6478, 17.6337

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.



54.7346, 48.7621, 35.1618



36.6761, 48.7621, 59.7035



57.2507, 48.7621, 63.1036

Square

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



36.6761, 48.7621, 59.7035



48.6008, 48.7621, 88.9336



57.5838, 48.7621, 46.9906



44.1638, 48.7621, 28.4665

Rectangle

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



36.6761, 48.7621, 59.7035



41.5174, 48.7621, 84.8954



57.5838, 48.7621, 46.9906



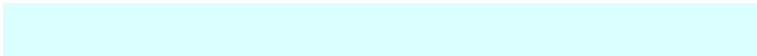
51.5371, 48.7621, 30.4289

Sweetspot

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



36.6775, 48.7640, 59.7046



82.8157, 93.7274, 106.7717



30.0439, 46.2007, 20.6997



17.3671, 19.8776, 22.7857



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.



36.6775, 48.7640, 59.7046



59.0013, 81.5543, 100.9729



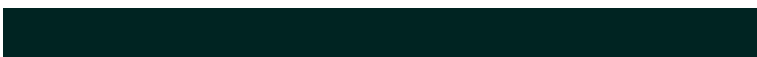
28.8368, 32.1560, 59.9474



10.9219, 12.0577, 13.5390



19.0236, 28.6218, 35.3987



0.9083, 1.3582, 1.7156

Inverse Universe

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



31.9551, 23.6478, 17.6337



50.0023, 33.6261, 20.7537



37.0105, 34.1823, 18.0127



10.6559, 10.6457, 11.1712



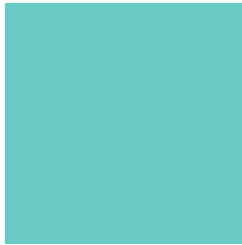
15.1918, 7.8263, 0.9541



0.7273, 0.3738, 0.0872

Previews

White Background



This preview shows how the XYZ color 36.6761, 48.7621, 59.7035 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 36.6761, 48.7621, 59.7035 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

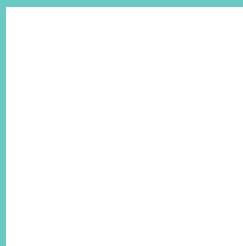
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6761, 48.7621, 59.7035

Background



This preview shows how black text looks on a background with the XYZ color 36.6761, 48.7621, 59.7035.

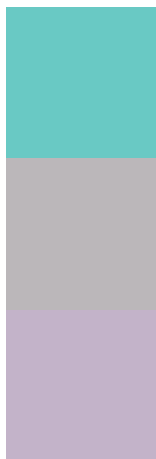


This preview shows how white text looks on a background with the XYZ color 36.6761, 48.7621,

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

36.6761, 48.7621, 59.7035

Protanopia

46.2899, 47.9769, 53.2751

Deuteranopia

49.1684, 48.0593, 61.9433



Tritanopia

38.8872, 48.6227, 70.9539

Trichromacy



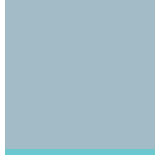
Original Color

36.6761, 48.7621, 59.7035



Protanomaly

41.6123, 47.7127, 55.7315



Deuteranomaly

42.9794, 47.3456, 60.9062



Tritanomaly

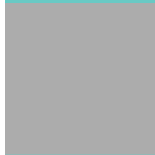
37.9926, 48.6031, 66.4104

Monochromacy



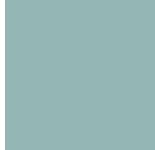
Original Color

36.6761, 48.7621, 59.7035



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.4867, 43.4991, 50.1365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6761, 48.7621, 59.7035 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(105, 201, 196)` looks like.

```
.text, #text, p{  
    color:rgb(105, 201, 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(105, 201, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 201, 196) }
```

Border

The CSS property to change the border of an element to XYZ 36.6761, 48.7621, 59.7035 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(105, 201, 196) }
```


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

```
.border{ border-color:rgb(105, 201, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 201, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 201, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 201, 196);  
box-shadow:4px 4px 4px 4px rgb(105, 201,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6761, 48.7621, 59.7035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 201, 196) }
```

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

```
.background{ background-color: rgb(105,  
201, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor