

Converting Colors

XYZ(36.7763, 58.7703, 52.4887)

Have a look what the booklet for
XYZ(36.7763, 58.7703, 52.4887)
contains.

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Color

**XYZ(36.7895, 58.7913,
52.5889)**

Conversions

Conversions Part 1

Format	Color
Hex	2DE3B4
RGB	45, 227, 180
RGB Percent	18%, 89%, 71%
CMY	0.8235, 0.1098, 0.2941
CMYK	0.80, 0.00, 0.21, 0.11
HSL	165°, 76%, 53%
HSV	165°, 80%, 89%
XYZ	36.7895, 58.7913, 52.5889
YIQ	167.2240, -93.3850, -53.2010

Conversions

Conversions Part 2

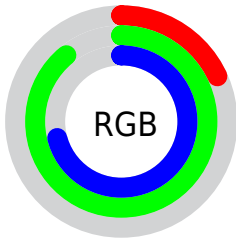
Format	Color
RYB	45, 149, 227
Decimal	3007412
CIELab	81.18, -54.48, 10.63
CIELCh	81, 55.503, 168.961
Yxy	58.7913, 0.2483, 0.3968
Android (android.graphics.Color)	4281197492 (0xFF2DE3B4)
YUV	167.2240, 6.2986, -107.1904
Hunter-Lab	76.6755, -48.5364, 13.0080

Details

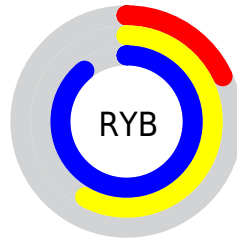
The XYZ color **36.7895, 58.7913, 52.5889** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **34.5507, 18.9820, 11.9708**, and the grayscale version is **36.8449, 38.7637, 42.2136**.

A 20% lighter version of the original color is **58.9264, 81.7137, 92.0235**, and **18.2055, 30.2818, 24.9641** is the 20% darker color. If you saturate the color by 10%, you get **35.4614, 58.1757, 49.4757**, and if you desaturate by 10%, it is **38.6824, 59.6981, 55.8630**.

Distribution



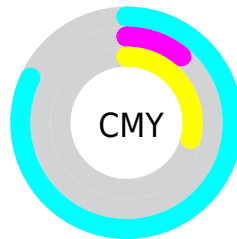
- Red (18%)
- Green (89%)
- Blue (71%)



- Red (18%)
- Yellow (58%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)





- Cyan (82%)
- Magenta (11%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7895, 58.7913, 52.5889 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 36.7895, 58.7913, 52.5889 by changing the saturation by 10% instead.


 36.7895, 58.7913,
52.5889


 36.7895, 58.7913,
52.5889


323.7697,
420.1281, 413.7274


 25.2175, 42.4451,
37.0892


 69.5649, 103.0743,
95.4346


 16.3688, 29.4500,
24.9802

 91.4989, 131.7799,
123.6176

 9.8780, 19.4215,
15.8435


 117.6177,
165.3741, 156.8656

 5.3798, 11.9752,
9.2603

 148.2865,
204.2413, 195.5969

 2.5088, 6.7268,
4.8122

 183.8707,
248.7659, 240.2303

 0.8997, 3.2919,
2.0807

224.7358,

 0.0000, 1.2859,

299.3323, 291.1841

0.6042

271.2470,
356.3249, 348.8769

■ 0.0000, 0.1303,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7895, 58.7913,
52.5889

■ 36.7895, 58.7913,
52.5889

■ 35.4614, 58.1757,
49.4757


■ 38.6824, 59.6981,
55.8630


■ 34.5732, 57.7813,
46.5612


■ 41.2108, 60.9281,
59.2991


■ 44.4402, 62.5165,
62.9030


■ 48.4264, 64.4920,
66.6788

 53.2193, 66.8803,
70.6305

 58.8646, 69.7050,
74.7616

 65.4045, 72.9878,
79.0755

 72.8785, 76.7489,
83.5756

 81.3233, 81.0073,
88.2649

Harmonies

Analogous

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



40.7433, 58.7913, 30.6705



36.7895, 58.7913, 52.5889



37.3939, 58.7913, 86.9898

Triad

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



36.7895, 58.7913, 52.5889



63.4124, 58.7913, 144.9979



71.7698, 58.7913, 27.0202

Complementary

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



36.7895, 58.7913, 52.5889



34.5507, 18.9820, 11.9708

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.



79.6302, 58.7913, 45.4877



36.7895, 58.7913, 52.5889



74.3646, 58.7913, 115.5270

Square

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



36.7895, 58.7913, 52.5889



51.7331, 58.7913, 148.9570



80.6404, 58.7913, 76.9839



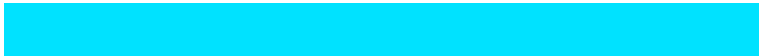
60.2415, 58.7913, 19.6748

Rectangle

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



36.7895, 58.7913, 52.5889



40.3253, 58.7913, 112.9274



80.6404, 58.7913, 76.9839



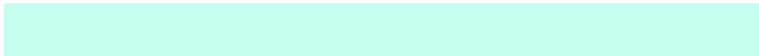
74.9928, 58.7913, 31.7653

Sweetspot

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



36.7911, 58.7936, 52.5903



73.5656, 89.2064, 95.1533



32.5132, 57.4852, 11.8658



15.1889, 18.8151, 19.9554



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.



36.7911, 58.7936, 52.5903



45.3775, 75.3818, 61.8987



32.2008, 40.6095, 78.8169



14.6401, 16.2695, 17.6357



20.2124, 33.7171, 27.4165



1.5309, 2.5065, 2.2224

Inverse Universe

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



34.5507, 18.9820, 11.9708



42.5674, 21.9681, 8.3737



35.6003, 23.4147, 5.1268



14.5290, 14.4288, 15.7201



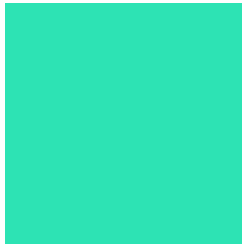
18.9701, 9.7223, 3.4718



1.4390, 0.7333, 0.4523

Previews

White Background



This preview shows how the XYZ color 36.7895, 58.7913, 52.5889 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 36.7895, 58.7913, 52.5889 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

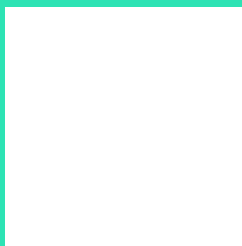
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7895, 58.7913, 52.5889

Background



This preview shows how black text looks on a background with the XYZ color 36.7895, 58.7913, 52.5889.

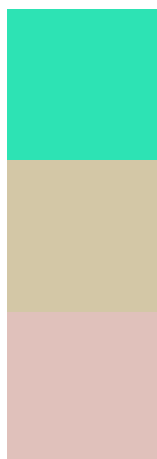


This preview shows how white text looks on a background with the XYZ color 36.7895, 58.7913,

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

36.7895, 58.7913, 52.5889

Protanopia

54.1703, 57.4489, 44.3101

Deuteranopia

58.7801, 57.5751, 55.0288



Tritanopia

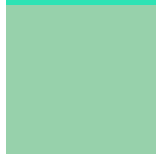
43.9258, 58.4829, 89.0940

Trichromacy



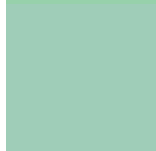
Original Color

36.7895, 58.7913, 52.5889



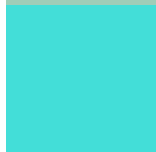
Protanomaly

42.9136, 55.1205, 46.9056



Deuteranomaly

44.7811, 54.4943, 53.5056



Tritanomaly

40.8307, 58.3937, 74.0849

Monochromacy



Original Color

36.7895, 58.7913, 52.5889



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.8124, 43.5847, 45.6603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7895, 58.7913, 52.5889 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(45, 227, 180)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 180)  
}
```

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(45, 227, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 180) }
```

Border

The CSS property to change the border of an element to XYZ 36.7895, 58.7913, 52.5889 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(45, 227, 180) }
```


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

```
.border{ border-color:rgb(45, 227, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 227, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 180);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7895, 58.7913, 52.5889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 180) }
```

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

```
.background{ background-color: rgb(45, 227,  
180) }
```

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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