

Converting Colors

XYZ(34.9281, 45.1118, 54.0501)

Have a look what the booklet for
XYZ(34.9281, 45.1118, 54.0501)
contains.

XYZ(34.9790, 45.3052, 53.9149)	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(34.9790, 45.3052,
53.9149)**

Conversions

Conversions Part 1

Format	Color
Hex	72C1BB
RGB	114, 193, 187
RGB Percent	45%, 76%, 73%
CMY	0.5529, 0.2431, 0.2667
CMYK	0.41, 0.00, 0.03, 0.24
HSL	175°, 39%, 60%
HSV	175°, 41%, 76%
XYZ	34.9790, 45.3052, 53.9149
YIQ	168.6950, -45.1580, -18.6140

Conversions

Conversions Part 2

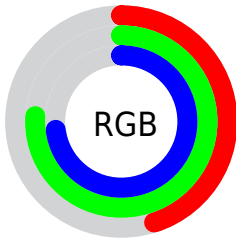
Format	Color
RYB	114, 155, 193
Decimal	7520699
CIELab	73.09, -25.71, -4.62
CIElCh	73, 26.120, 190.186
Yxy	45.3052, 0.2607, 0.3376
Android (android.graphics.Color)	4285710779 (0xFF72C1BB)
YUV	168.6950, 9.0244, -47.9675
Hunter-Lab	67.3091, -25.0287, -0.3751

Details

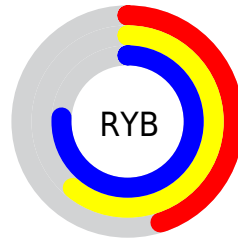
The XYZ color **34.9790, 45.3052, 53.9149** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.4013, 24.7294, 20.8891**, and the grayscale version is **37.5353, 39.4901, 43.0047**.

A 20% lighter version of the original color is **66.9408, 83.3883, 97.3614**, and **15.3393, 21.1163, 25.8216** is the 20% darker color. If you saturate the color by 10%, you get **32.5728, 44.0839, 52.9879**, and if you desaturate by 10%, it is **37.9192, 46.8038, 54.8772**.

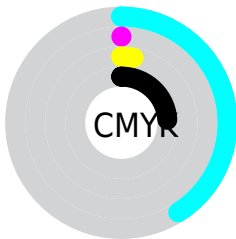
Distribution



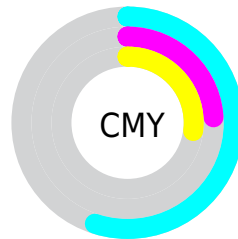
- Red (45%)
- Green (76%)
- Blue (73%)



- Red (45%)
- Yellow (61%)
- Blue (76%)



- Cyan (41%)
- Magenta (0%)
- Yellow (3%)
- Black (24%)



- Cyan (55%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9790, 45.3052, 53.9149 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 34.9790, 45.3052, 53.9149 by changing the saturation by 10% instead.

■ 34.9790, 45.3052,
53.9149

■ 34.9790, 45.3052,
53.9149

315.9853,
368.0082, 418.9509

■ 23.8131, 31.6979,
38.1409

■ 66.7875, 83.1782,
97.4044

■ 15.3190, 21.1308,
25.7894

■ 88.1608, 108.2127,
125.9570

■ 9.1314, 13.2197,
16.4418

■ 113.6673,
137.8250, 159.6063

■ 4.8848, 7.5800,
9.6796

143.6724,
172.3996, 198.7707

■ 2.2139, 3.8274,
5.0842

178.5413,
212.3208, 243.8688

■ 0.7500, 1.5775,
2.2372

218.6396,

■ 0.0000, 0.3423,

257.9731, 295.3192

0.6957

264.3324,
309.7407, 353.5404

■ 0.0000, 0.0000,
0.0000

■ 34.9790, 45.3052,
53.9149

■ 34.9790, 45.3052,
53.9149

■ 32.5728, 44.0839,
52.9879

■ 37.9192, 46.8038,
54.8772

■ 30.6629, 43.1172,
52.0915

■ 41.4199, 48.5901,
55.8732

■ 29.2132, 42.3875,
51.2249

■ 45.5110, 50.6805,
56.9052

■ 28.1810, 41.8729,
50.3862

■ 50.2188, 53.0887,
57.9745

■ 27.5156, 41.5472,
49.5729

■ 55.5681, 55.8273,
59.0823

■ 27.1408, 41.3695,
48.8533

■ 61.5823, 58.9086,
60.2298

■ 68.2837, 62.3440,
61.4178

■ 70.5885, 63.5126,
62.4087

■ 70.7593, 63.5809,
63.3083

Harmonies

Analogous

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



35.3124, 45.3052, 41.2818



34.9790, 45.3052, 53.9149



36.6913, 45.3052, 67.4144

Triad

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



34.9790, 45.3052, 53.9149



48.9835, 45.3052, 71.1599



46.1089, 45.3052, 29.2403

Complementary

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



34.9790, 45.3052, 53.9149



31.4013, 24.7294, 20.8891

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.



50.1288, 45.3052, 34.8083



34.9790, 45.3052, 53.9149



51.8680, 45.3052, 58.3609

Square

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



34.9790, 45.3052, 53.9149



44.6338, 45.3052, 78.4742



52.3014, 45.3052, 45.0121



41.5260, 45.3052, 28.4757

Rectangle

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



34.9790, 45.3052, 53.9149



38.8386, 45.3052, 74.5432



52.3014, 45.3052, 45.0121



47.5793, 45.3052, 30.5587

Sweetspot

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



34.9803, 45.3070, 53.9160



80.5277, 90.2648, 101.6781



29.9354, 43.3916, 22.7181



17.0599, 19.2544, 21.7607



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.9803, 45.3070, 53.9160



58.7910, 79.1825, 95.0887



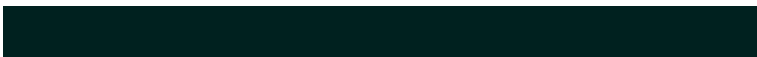
29.1516, 32.5996, 55.2100



10.3344, 11.4148, 12.7645



18.0643, 27.5198, 32.5616



0.7905, 1.1931, 1.4596

Inverse Universe

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



31.4013, 24.7294, 20.8891



51.5336, 37.3996, 28.0766



35.4519, 33.3954, 20.4979



10.1036, 10.0900, 10.6359



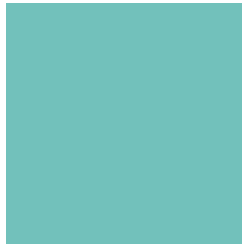
14.6951, 7.5678, 1.0407



0.6458, 0.3313, 0.1022

Previews

White Background



This preview shows how the XYZ color 34.9790, 45.3052, 53.9149 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 34.9790, 45.3052, 53.9149 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

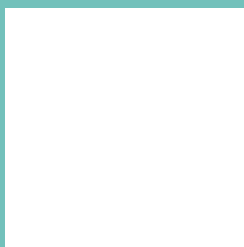
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9790, 45.3052, 53.9149

Background



This preview shows how black text looks on a background with the XYZ color 34.9790, 45.3052, 53.9149.



This preview shows how white text looks on a background with the XYZ color 34.9790, 45.3052,

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

34.9790, 45.3052, 53.9149

Protanopia

43.2477, 45.0002, 48.5260

Deuteranopia

45.5827, 44.5959, 55.4956



Tritanopia

37.1618, 45.2051, 65.1593

Trichromacy



Original Color

34.9790, 45.3052, 53.9149

Protanomaly

39.1786, 44.3713, 50.2156

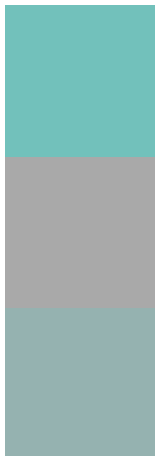
Deuteranomaly

40.5158, 44.0416, 55.0807

Tritanomaly

36.2757, 45.1670, 60.8390

Monochromacy



Original Color

34.9790, 45.3052, 53.9149

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.1513, 41.3649, 47.1532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9790, 45.3052, 53.9149 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(114, 193, 187)` looks like.

```
.text, #text, p{  
    color:rgb(114, 193, 187)  
}
```

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(114, 193, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 193, 187) }
```

Border

The CSS property to change the border of an element to XYZ 34.9790, 45.3052, 53.9149 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(114, 193, 187) }
```


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

```
.border{ border-color:rgb(114, 193, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 193, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 193, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 193, 187);  
box-shadow:4px 4px 4px 4px rgb(114, 193,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9790, 45.3052, 53.9149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 193, 187) }
```

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

```
.background{ background-color: rgb(114,  
193, 187) }
```

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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