

Converting Colors

XYZ(35.3386, 45.8217, 53.0701)

Have a look what the booklet for
XYZ(35.3386, 45.8217, 53.0701)
contains.

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Color

**XYZ(35.2512, 45.7994,
52.8812)**

Conversions

Conversions Part 1

Format	Color
Hex	74C2B9
RGB	116, 194, 185
RGB Percent	45%, 76%, 73%
CMY	0.5451, 0.2392, 0.2745
CMYK	0.40, 0.00, 0.05, 0.24
HSL	173°, 39%, 61%
HSV	173°, 40%, 76%
XYZ	35.2512, 45.7994, 52.8812
YIQ	169.6520, -43.5990, -19.3350

Conversions

Conversions Part 2

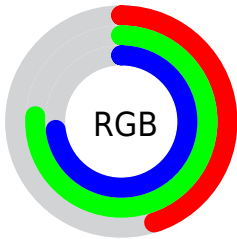
Format	Color
RYB	116, 157, 194
Decimal	7652025
CIELab	73.42, -26.17, -3.04
CIELCh	73, 26.349, 186.636
Yxy	45.7994, 0.2632, 0.3420
Android (android.graphics.Color)	4285842105 (0xFF74C2B9)
YUV	169.6520, 7.5666, -47.0528
Hunter-Lab	67.6753, -25.4533, 1.0437

Details

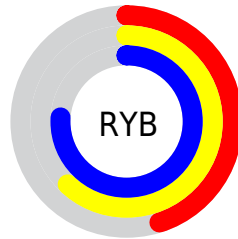
The XYZ color **35.2512, 45.7994, 52.8812** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.1968, 25.4420, 22.6175**, and the grayscale version is **38.0155, 39.9953, 43.5548**.

A 20% lighter version of the original color is **67.1690, 84.0032, 95.8931**, and **15.4674, 21.4142, 25.1479** is the 20% darker color. If you saturate the color by 10%, you get **32.7026, 44.5138, 51.5386**, and if you desaturate by 10%, it is **38.3447, 47.3677, 54.2707**.

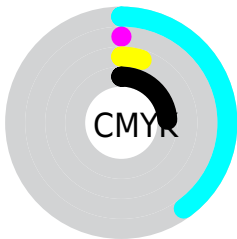
Distribution



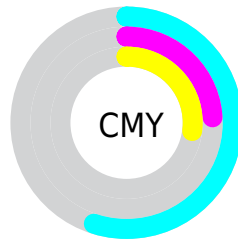
- Red (45%)
- Green (76%)
- Blue (73%)



- Red (45%)
- Yellow (62%)
- Blue (76%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2512, 45.7994, 52.8812 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 35.2512, 45.7994, 52.8812 by changing the saturation by 10% instead.

■ 35.2512, 45.7994,
52.8812

■ 35.2512, 45.7994,
52.8812

317.1644,
370.0016, 414.8825

■ 24.0239, 32.0876,
37.3209

■ 67.2062, 83.9187,
95.8693

■ 15.4762, 21.4284,
25.1583

■ 88.6646, 109.0949,
124.1342

■ 9.2427, 13.4375,
15.9749

■ 114.2640,
138.8614, 157.4709

■ 4.9582, 7.7305,
9.3523

144.3698,
173.6026, 196.2982

■ 2.2573, 3.9230,
4.8717

179.3474,
213.7028, 241.0344

■ 0.7727, 1.6306,
2.1148

219.5621,

■ 0.0000, 0.3781,

259.5464, 292.0982

0.6245

265.3793,
311.5179, 349.9080

■ 0.0000, 0.0000,
0.0000

■ 35.2512, 45.7994,
52.8812

■ 35.2512, 45.7994,
52.8812

■ 32.7026, 44.5138,
51.5386

■ 38.3447, 47.3677,
54.2707

■ 30.6611, 43.4880,
50.2381

■ 42.0099, 49.2293,
55.7055

■ 29.0905, 42.7046,
48.9789


■ 46.2769, 51.4006,
57.1881


■ 27.9478, 42.1413,
47.7589


■ 51.1721, 53.8953,
58.7197


■ 27.1823, 41.7721,
46.5757


■ 56.7207, 56.7265,
60.3017

 26.7019, 41.5489,
45.4478

 62.9463, 59.9062,
61.9353

 69.8714, 63.4460,
63.6215

 71.3018, 64.1529,
65.0707

 71.5705, 64.2603,
66.4855

Harmonies

Analogous

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



35.8385, 45.7994, 40.3992



35.2512, 45.7994, 52.8812



36.7524, 45.7994, 66.7348

Triad

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



35.2512, 45.7994, 52.8812



49.0789, 45.7994, 73.3288



47.1685, 45.7994, 29.8851

Complementary

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



35.2512, 45.7994, 52.8812



32.1968, 25.4420, 22.6175

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.



51.0956, 45.7994, 36.1130



35.2512, 45.7994, 52.8812



52.2522, 45.7994, 60.7109

Square

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



35.2512, 45.7994, 52.8812



44.5708, 45.7994, 79.8220



53.0152, 45.7994, 46.9710



42.5074, 45.7994, 28.5373

Rectangle

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



35.2512, 45.7994, 52.8812



38.8031, 45.7994, 74.4167



53.0152, 45.7994, 46.9710



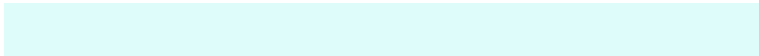
48.6280, 45.7994, 31.4157

Sweetspot

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



35.2525, 45.8012, 52.8823



82.2156, 92.2947, 103.0661



30.9176, 44.2139, 23.4285



17.7709, 20.0927, 22.4914



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.



35.2525, 45.8012, 52.8823



59.8555, 80.9514, 93.7180



30.2348, 34.1963, 56.0481



10.3169, 11.4078, 12.6719



17.5745, 27.3239, 29.9820



0.7738, 1.1864, 1.3717

Inverse Universe

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



32.1968, 25.4420, 22.6175



53.5920, 39.1382, 31.6227



35.6656, 33.2587, 21.0636



10.1194, 10.0964, 10.7194



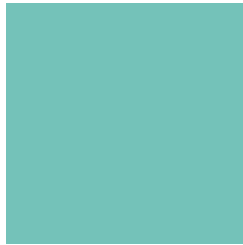
14.7412, 7.5862, 1.2831



0.6530, 0.3342, 0.1400

Previews

White Background



This preview shows how the XYZ color 35.2512, 45.7994, 52.8812 looks on a white background.

Color Contrast Check

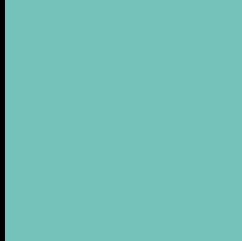
Large Text (above 18pt) WCAG AA × Fail

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 35.2512, 45.7994, 52.8812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

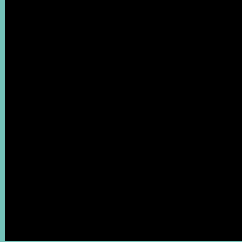
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.2512, 45.7994, 52.8812

Background



This preview shows how black text looks on a background with the XYZ color 35.2512, 45.7994, 52.8812.



This preview shows how white text looks on a background with the XYZ color 35.2512, 45.7994,

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

35.2512, 45.7994, 52.8812

Protanopia

43.4850, 45.4421, 47.5536

Deuteranopia

46.0596, 45.1527, 54.4319



Tritanopia

37.7974, 45.8554, 65.2514

Trichromacy



Original Color

35.2512, 45.7994, 52.8812

Protanomaly

39.5752, 44.9066, 49.2298

Deuteranomaly

40.9108, 44.5711, 54.0238

Tritanomaly

36.7884, 45.7696, 60.3215

Monochromacy



Original Color

35.2512, 45.7994, 52.8812

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.4356, 41.8194, 46.7090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2512, 45.7994, 52.8812 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(116, 194, 185)` looks like.

```
.text, #text, p{  
    color:rgb(116, 194, 185)  
}
```

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(116, 194, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 194, 185) }
```

Border

The CSS property to change the border of an element to XYZ 35.2512, 45.7994, 52.8812 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(116, 194, 185) }
```


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

```
.border{ border-color:rgb(116, 194, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 194, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 194, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 194, 185);  
box-shadow:4px 4px 4px 4px rgb(116, 194,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2512, 45.7994, 52.8812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 194, 185) }
```

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

```
.background{ background-color: rgb(116,  
194, 185) }
```

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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