

Converting Colors

XYZ(32.9661, 45.2353, 59.3817)

Have a look what the booklet for
XYZ(32.9661, 45.2353, 59.3817)
contains.

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Color

**XYZ(32.8456, 45.0851,
59.1957)**

Conversions

Conversions Part 1

Format	Color
Hex	4EC4C4
RGB	78, 196, 196
RGB Percent	31%, 77%, 77%
CMY	0.6941, 0.2314, 0.2314
CMYK	0.60, 0.00, 0.00, 0.23
HSL	180°, 50%, 54%
HSV	180°, 60%, 77%
XYZ	32.8456, 45.0851, 59.1957
YIQ	160.7180, -70.3280, -25.0160

Conversions

Conversions Part 2

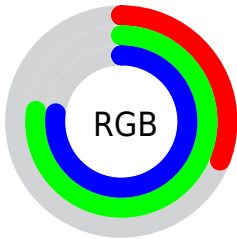
Format	Color
RYB	78, 137, 196
Decimal	5162180
CIELab	72.95, -32.52, -9.87
CIELCh	73, 33.989, 196.888
Yxy	45.0851, 0.2395, 0.3288
Android (android.graphics.Color)	4283352260 (0xFF4EC4C4)
YUV	160.7180, 17.3940, -72.5437
Hunter-Lab	67.1454, -30.1875, -5.2685

Details

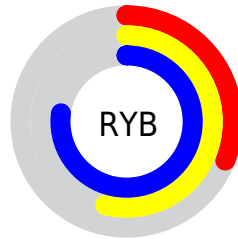
The XYZ color **32.8456, 45.0851, 59.1957** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.8660, 17.7359, 9.2165**, and the grayscale version is **33.6920, 35.4467, 38.6014**.

A 20% lighter version of the original color is **63.5024, 82.8314, 105.5696**, and **14.5555, 21.2990, 28.9351** is the 20% darker color. If you saturate the color by 10%, you get **31.4732, 44.3786, 59.1323**, and if you desaturate by 10%, it is **34.6992, 46.0417, 59.2836**.

Distribution



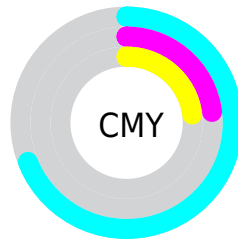
- Red (31%)
- Green (77%)
- Blue (77%)



- Red (31%)
- Yellow (54%)
- Blue (77%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (69%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8456, 45.0851, 59.1957 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 32.8456, 45.0851, 59.1957 by changing the saturation by 10% instead.

■ 32.8456, 45.0851,
59.1957

■ 32.8456, 45.0851,
59.1957

306.6307,
367.1181, 439.3488

■ 22.1669, 31.5245,
42.3496

■ 63.4907, 82.8481,
105.1940

■ 14.0968, 20.9985,
29.0475

■ 84.1878, 107.8192,
135.1832

■ 8.2702, 13.1229,
18.8709

■ 108.9550,
137.3627, 170.3906

■ 4.3216, 7.5133,
11.4012

■ 138.1577,
171.8628, 211.2347

■ 1.8856, 3.7851,
6.2198

172.1613,
211.7040, 258.1341

■ 0.5685, 1.5541,
2.9082

211.3311,

■ 0.0000, 0.3264,

257.2707, 311.5072

1.0480

256.0324,
308.9473, 371.7726

■ 0.0000, 0.0000,
0.0000

■ 32.8456, 45.0851,
59.1957

■ 32.8456, 45.0851,
59.1957

■ 31.4732, 44.3786,
59.1323

■ 34.6992, 46.0417,
59.2836

■ 30.5339, 43.8944,
59.0882

■ 37.0685, 47.2631,
59.3947

■ 29.9771, 43.6074,
59.0619

■ 39.9896, 48.7690,
59.5316

■ 29.7045, 43.4668,
59.0490

■ 43.4939, 50.5755,
59.6958

■ 47.6109, 52.6979,
59.8886

■ 52.3678, 55.1502,
60.1114

■ 57.7903, 57.9455,
60.3654

■ 63.9025, 61.0965,
60.6516

■ 70.7276, 64.6150,
60.9712

Harmonies

Analogous

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



32.6831, 45.0851, 42.0517



32.8456, 45.0851, 59.1957



35.5255, 45.0851, 76.9810

Triad

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



32.8456, 45.0851, 59.1957



51.7221, 45.0851, 74.9462



45.4898, 45.0851, 23.6692

Complementary

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



32.8456, 45.0851, 59.1957



26.8660, 17.7359, 9.2165

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.



51.1224, 45.0851, 28.9095



32.8456, 45.0851, 59.1957



54.9378, 45.0851, 56.8729

Square

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



32.8456, 45.0851, 59.1957



46.2489, 45.0851, 87.4140



54.7087, 45.0851, 40.2053



39.6257, 45.0851, 24.0131

Rectangle

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



32.8456, 45.0851, 59.1957



38.5323, 45.0851, 85.6455



54.7087, 45.0851, 40.2053



47.4831, 45.0851, 24.7735

Sweetspot

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



32.8470, 45.0868, 59.1968



80.1327, 92.3099, 108.2013



24.4219, 41.7357, 13.9774



16.7124, 19.5317, 23.1389



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.



32.8470, 45.0868, 59.1968



56.4375, 80.0946, 107.0906



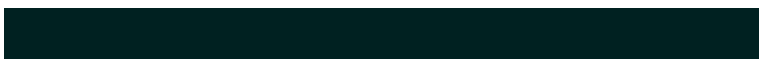
22.3349, 24.0625, 55.6938



10.3686, 11.4285, 12.9442



19.0858, 27.9284, 37.9403



0.8246, 1.2067, 1.6393

Inverse Universe

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



26.8660, 17.7359, 9.2165



44.6691, 26.2776, 8.7470



32.8104, 29.6248, 11.1977



10.0732, 10.0779, 10.4762



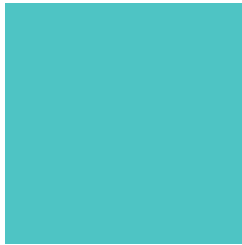
14.6275, 7.5408, 0.6846



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 32.8456, 45.0851, 59.1957 looks on a white background.

Color Contrast Check

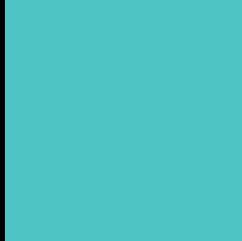
Large Text (above 18pt) WCAG AA × Fail

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 32.8456, 45.0851, 59.1957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

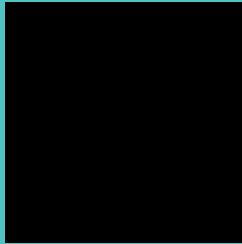
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

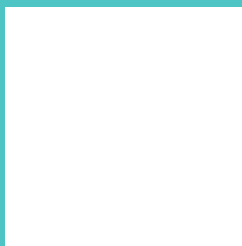
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8456, 45.0851, 59.1957

Background



This preview shows how black text looks on a background with the XYZ color 32.8456, 45.0851, 59.1957.

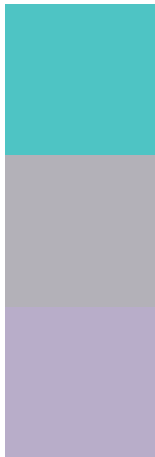


This preview shows how white text looks on a background with the XYZ color 32.8456, 45.0851,

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

32.8456, 45.0851, 59.1957

Protanopia

42.9643, 44.4887, 51.6701

Deuteranopia

45.2533, 44.2945, 61.4229



Tritanopia

34.5808, 45.1215, 67.8595

Trichromacy



Original Color

32.8456, 45.0851, 59.1957

Protanomaly

37.3729, 43.6626, 54.0349

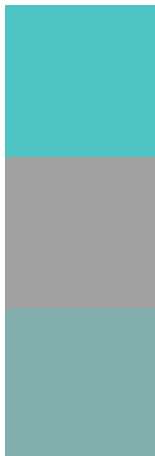
Deuteranomaly

38.5097, 43.1910, 60.3398

Tritanomaly

34.0142, 45.2318, 64.6955

Monochromacy



Original Color

32.8456, 45.0851, 59.1957

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.1361, 38.1534, 45.7150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8456, 45.0851, 59.1957 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(78, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(78, 196, 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(78, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 32.8456, 45.0851, 59.1957 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(78, 196, 196) }
```


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

```
.border{ border-color:rgb(78, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 196, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 196, 196);  
box-shadow:4px 4px 4px 4px rgb(78, 196,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8456, 45.0851, 59.1957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 196, 196) }
```

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

```
.background{ background-color: rgb(78, 196,  
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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