

Converting Colors

XYZ(36.1192, 52.5338, 60.5654)

Have a look what the booklet for
XYZ(36.1192, 52.5338, 60.5654)
contains.

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Color

**XYZ(36.0331, 52.3746,
60.4347)**

Conversions

Conversions Part 1

Format	Color
Hex	46D4C4
RGB	70, 212, 196
RGB Percent	27%, 83%, 77%
CMY	0.7255, 0.1686, 0.2314
CMYK	0.67, 0.00, 0.08, 0.17
HSL	173°, 62%, 55%
HSV	173°, 67%, 83%
XYZ	36.0331, 52.3746, 60.4347
YIQ	167.7180, -79.4960, -35.0800

Conversions

Conversions Part 2

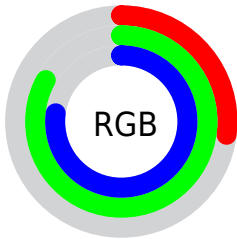
Format	Color
RYB	70, 145, 212
Decimal	4641988
CIELab	77.50, -41.16, -3.15
CIELCh	78, 41.282, 184.375
Yxy	52.3746, 0.2421, 0.3519
Android (android.graphics.Color)	4282832068 (0xFF46D4C4)
YUV	167.7180, 13.9430, -85.6987
Hunter-Lab	72.3703, -37.7730, 1.1476

Details

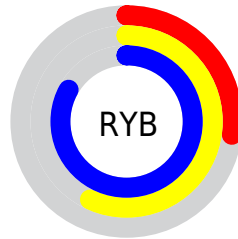
The XYZ color **36.0331, 52.3746, 60.4347** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.0231, 19.0508, 10.8481**, and the grayscale version is **37.0447, 38.9739, 42.4426**.

A 20% lighter version of the original color is **63.4813, 83.7627, 105.7505**, and **16.9395, 26.0669, 29.7298** is the 20% darker color. If you saturate the color by 10%, you get **34.4958, 51.6145, 58.9555**, and if you desaturate by 10%, it is **38.1174, 53.4186, 61.9645**.

Distribution



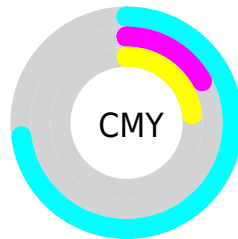
- Red (27%)
- Green (83%)
- Blue (77%)



- Red (27%)
- Yellow (57%)
- Blue (83%)



- Cyan (67%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)





- Cyan (73%)
- Magenta (17%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0331, 52.3746, 60.4347 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 36.0331, 52.3746, 60.4347 by changing the saturation by 10% instead.


 36.0331, 52.3746,
60.4347


 36.0331, 52.3746,
60.4347


320.5339,
395.8811, 444.0473


 24.6300, 37.3037,
43.3415


 68.4067, 93.6835,
107.0095


 15.9289, 25.4428,
29.8198


 90.1079, 120.6903,
137.3283

 9.5644, 16.4072,
19.4510


 115.9725,
152.4445, 172.8926

 5.1711, 9.8128,
11.8165

 146.3658,
189.3306, 214.1211

 2.3838, 5.2750,
6.4978

181.6533,
231.7329, 261.4323

 0.8370, 2.4095,
3.0764

222.2002,

 0.0000, 0.8308,

280.0358, 315.2447

1.1338

268.3720,
334.6237, 375.9768

■ 0.0000, 0.0000,
0.0000

■ 36.0331, 52.3746,
60.4347

■ 36.0331, 52.3746,
60.4347

■ 34.4958, 51.6145,
58.9555

■ 38.1174, 53.4186,
61.9645

■ 33.4411, 51.1015,
57.5202

■ 40.7952, 54.7669,
63.5435

■ 32.7918, 50.7969,
56.1263

■ 44.1132, 56.4447,
65.1754

■ 32.6335, 50.7243,
55.7112

■ 48.1121, 58.4731,
66.8620

■ 52.8295, 60.8713,
68.6053

■ 58.3000, 63.6572,
70.4069

■ 64.5558, 66.8475,
72.2685

■ 71.6277, 70.4579,
74.1917

■ 77.3743, 73.3847,
76.0762

Harmonies

Analogous

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



37.2229, 52.3746, 40.1016



36.0331, 52.3746, 60.4347



38.1925, 52.3746, 85.5100

Triad

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



36.0331, 52.3746, 60.4347



58.9262, 52.3746, 101.3648



56.6933, 52.3746, 25.9454

Complementary

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



36.0331, 52.3746, 60.4347



31.0231, 19.0508, 10.8481

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.



63.5031, 52.3746, 35.6962



36.0331, 52.3746, 60.4347



64.8855, 52.3746, 78.1488

Square

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



36.0331, 52.3746, 60.4347



50.9565, 52.3746, 112.8095



66.6432, 52.3746, 53.7499



48.6227, 52.3746, 23.5498

Rectangle

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



36.0331, 52.3746, 60.4347



41.3916, 52.3746, 100.5627



66.6432, 52.3746, 53.7499



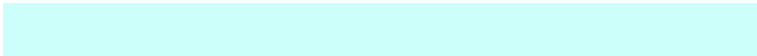
59.2325, 52.3746, 28.3152

Sweetspot

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



36.0346, 52.3766, 60.4359



77.8002, 91.2127, 103.3346



28.5408, 49.5367, 13.8529



16.2146, 19.3007, 21.9567



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.



36.0346, 52.3766, 60.4359



51.6923, 78.0506, 88.6928



26.5643, 30.3638, 66.7503



12.7291, 14.0826, 15.6539



20.1691, 31.3230, 34.5157



1.2341, 1.8963, 2.1743

Inverse Universe

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



31.0231, 19.0508, 10.8481



43.6595, 24.1219, 8.8315



35.5209, 28.9655, 9.5143



12.4796, 12.4433, 13.1998



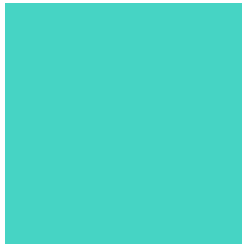
16.8816, 8.6890, 1.4149



1.0378, 0.5319, 0.1883

Previews

White Background



This preview shows how the XYZ color 36.0331, 52.3746, 60.4347 looks on a white background.

Color Contrast Check

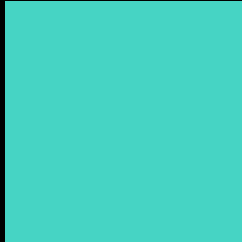
Large Text (above 18pt) WCAG AA × Fail

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 36.0331, 52.3746, 60.4347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

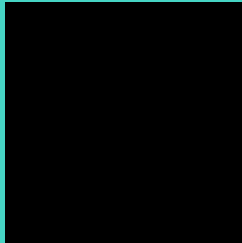
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

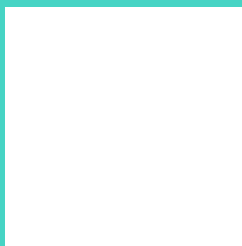
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0331, 52.3746, 60.4347

Background



This preview shows how black text looks on a background with the XYZ color 36.0331, 52.3746, 60.4347.

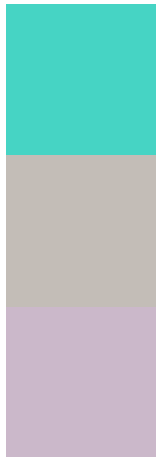


This preview shows how white text looks on a background with the XYZ color 36.0331, 52.3746,

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

36.0331, 52.3746, 60.4347

Protanopia

49.2505, 51.4162, 52.1283

Deuteranopia

52.4298, 51.2418, 63.0044



Tritanopia

39.8026, 52.4328, 79.2569

Trichromacy



Original Color

36.0331, 52.3746, 60.4347



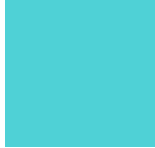
Protanomaly

41.6210, 50.0474, 55.0434



Deuteranomaly

43.2347, 49.7223, 61.9622



Tritanomaly

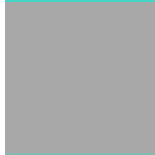
38.1625, 52.1182, 71.6668

Monochromacy



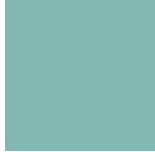
Original Color

36.0331, 52.3746, 60.4347



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.6921, 42.4009, 48.4752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0331, 52.3746, 60.4347 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(70, 212, 196)` looks like.

```
.text, #text, p{  
    color:rgb(70, 212, 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(70, 212, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 212, 196) }
```

Border

The CSS property to change the border of an element to XYZ 36.0331, 52.3746, 60.4347 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(70, 212, 196) }
```


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

```
.border{ border-color:rgb(70, 212, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 212, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 212, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 212, 196);  
box-shadow:4px 4px 4px 4px rgb(70, 212,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0331, 52.3746, 60.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 212, 196) }
```

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

```
.background{ background-color: rgb(70, 212,  
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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