

Converting Colors

XYZ(36.4551, 50.1246, 40.5545)

Have a look what the booklet for
XYZ(36.4551, 50.1246, 40.5545)
contains.

XYZ(36.4551, 50.1246, 40.5545)	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(36.4551, 50.1246,
40.5545)**

Conversions

Conversions Part 1

Format	Color
Hex	7ECC9F
RGB	126, 204, 159
RGB Percent	49%, 80%, 62%
CMY	0.5059, 0.2000, 0.3765
CMYK	0.38, 0.00, 0.22, 0.20
HSL	145°, 43%, 65%
HSV	145°, 38%, 80%
XYZ	36.4551, 50.1246, 40.5545
YIQ	175.5480, -32.0430, -30.5310

Conversions

Conversions Part 2

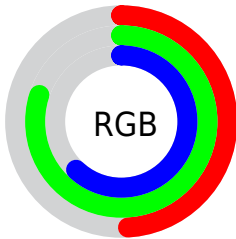
Format	Color
R_{YB}	126, 181, 204
Decimal	8309919
CIE _{Lab}	76.15, -33.90, 14.97
CIE _{LCh}	76, 37.058, 156.168
Yxy	50.1246, 0.2867, 0.3943
Android (android.graphics.Color)	4286499999 (0xFF7ECC9F)
YUV	175.5480, -8.1582, -43.4536
Hunter-Lab	70.7987, -31.9860, 15.5970

Details

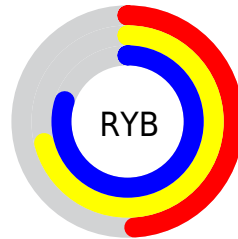
The XYZ color **36.4551, 50.1246, 40.5545** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.7151, 30.7006, 42.3628**, and the grayscale version is **41.0858, 43.2254, 47.0725**.

A 20% lighter version of the original color is **66.9537, 86.1988, 76.7275**, and **16.0738, 23.9341, 17.6825** is the 20% darker color. If you saturate the color by 10%, you get **32.7751, 48.3413, 35.3027**, and if you desaturate by 10%, it is **40.8484, 52.2671, 46.3496**.

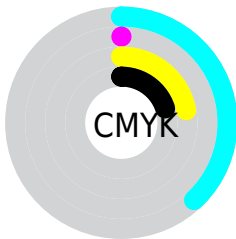
Distribution



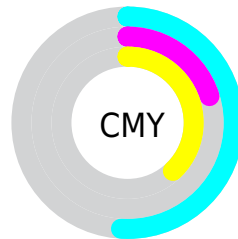
- Red (49%)
- Green (80%)
- Blue (62%)



- Red (49%)
- Yellow (71%)
- Blue (80%)



- Cyan (38%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)





- Cyan (51%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4551, 50.1246, 40.5545 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 36.4551, 50.1246, 40.5545 by changing the saturation by 10% instead.


 36.4551, 50.1246,
40.5545


 36.4551, 50.1246,
40.5545


322.3420,
387.1530, 364.0765


 24.9576, 35.5124,
27.6541

 69.0532, 90.3595,
77.2535

 16.1740, 24.0579,
17.8283


 90.8846, 116.7509,
101.8891

 9.7390, 15.3765,
10.6586


 116.8912,
147.8376, 131.2735

 5.2872, 9.0841,
5.7265

147.4386,
184.0039, 165.8252

 2.4532, 4.7961,
2.6134

182.8920,
225.6342, 205.9629

 0.8717, 2.1281,
0.8994

223.6168,

 0.0000, 0.6804,

273.1129, 252.1049

0.0000

269.9783,
326.8243, 304.6700

■ 0.0000, 0.0000,
0.0000

■ 36.4551, 50.1246,
40.5545

■ 36.4551, 50.1246,
40.5545

■ 32.7751, 48.3413,
35.3027

■ 40.8484, 52.2671,
46.3496

■ 29.7642, 46.8907,
30.5747

■ 45.9881, 54.7815,
52.6998

■ 27.3793, 45.7521,
26.3550

■ 51.9097, 57.6871,
59.6210

■ 25.5701, 44.9001,
22.6256

■ 58.6453, 61.0003,
67.1272

■ 24.2782, 44.3049,
19.3676

■ 66.2253, 64.7364,
75.2320

■ 23.4162, 43.9218,
16.5596

■ 74.6784, 68.9099,
83.9486

■ 23.2859, 43.8645,
16.1084

■ 78.7693, 70.8218,
93.0432

■ 80.5889, 71.5497,
102.6249

■ 80.8838, 71.6676,
104.1779

Harmonies

Analogous

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



40.1974, 50.1246, 29.1870



36.4551, 50.1246, 40.5545



35.5756, 50.1246, 58.7844

Triad

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



36.4551, 50.1246, 40.5545



49.0892, 50.1246, 102.0337



59.2386, 50.1246, 34.9985

Complementary

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



36.4551, 50.1246, 40.5545



39.7151, 30.7006, 42.3628

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.



62.1679, 50.1246, 50.5756



36.4551, 50.1246, 40.5545



55.9532, 50.1246, 91.5787

Square

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



36.4551, 50.1246, 40.5545



42.4543, 50.1246, 97.4963



60.9109, 50.1246, 71.5086



53.2358, 50.1246, 26.5660

Rectangle

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



36.4551, 50.1246, 40.5545



36.6477, 50.1246, 73.2118



60.9109, 50.1246, 71.5086



60.6406, 50.1246, 39.4076

Sweetspot

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



36.4564, 50.1267, 40.5556



82.9757, 94.0639, 95.3025



42.2642, 53.4086, 27.8207



17.4665, 19.9894, 20.0578



0.0000, 0.0000, 0.0000



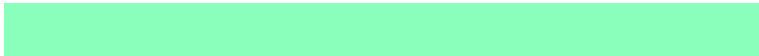
20.3446, 21.4041, 23.3091

Same Dimension

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



36.4564, 50.1267, 40.5556



55.1962, 80.4995, 59.8253



40.3342, 51.6778, 60.9755



11.2617, 12.6144, 12.9354



14.7002, 27.6254, 10.3721



0.7960, 1.4402, 0.7334

Inverse Universe

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



39.7151, 30.7006, 42.3628



61.3502, 43.7769, 63.2113



36.5634, 29.4399, 25.7657



11.4791, 11.3204, 13.0574



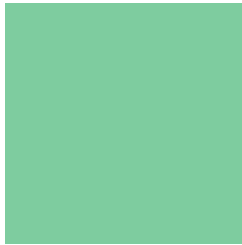
17.7677, 8.9177, 11.7614



0.9541, 0.4750, 0.8039

Previews

White Background



This preview shows how the XYZ color 36.4551, 50.1246, 40.5545 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 36.4551, 50.1246, 40.5545 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 36.4551, 50.1246, 40.5545

Background



This preview shows how black text looks on a background with the XYZ color 36.4551, 50.1246, 40.5545.



This preview shows how white text looks on a background with the XYZ color 36.4551, 50.1246,

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

36.4551, 50.1246, 40.5545

Protanopia

46.4335, 49.3579, 36.3579

Deuteranopia

50.4627, 49.4690, 42.0108



Tritanopia

42.4577, 50.1399, 70.3910

Trichromacy



Original Color

36.4551, 50.1246, 40.5545



Protanomaly

41.9160, 49.2437, 37.8676



Deuteranomaly

43.7752, 48.8276, 41.2999



Tritanomaly

40.1114, 50.2271, 58.0328

Monochromacy



Original Color

36.4551, 50.1246, 40.5545



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.9152, 45.2892, 44.7209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4551, 50.1246, 40.5545 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(126, 204, 159)` looks like.

```
.text, #text, p{  
    color:rgb(126, 204, 159)  
}
```

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(126, 204, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 204, 159) }
```

Border

The CSS property to change the border of an element to XYZ 36.4551, 50.1246, 40.5545 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(126, 204, 159) }
```


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

```
.border{ border-color:rgb(126, 204, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 204, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 204, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 204, 159);  
box-shadow:4px 4px 4px 4px rgb(126, 204,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4551, 50.1246, 40.5545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 204, 159) }
```

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

```
.background{ background-color: rgb(126,  
204, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor