

Converting Colors

XYZ(37.5266, 62.1845, 39.0126)

Have a look what the booklet for
XYZ(37.5266, 62.1845, 39.0126)
contains.

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Color

**XYZ(37.6003, 62.4254,
38.9217)**

Conversions

Conversions Part 1

Format	Color
Hex	48EA96
RGB	72, 234, 150
RGB Percent	28%, 92%, 59%
CMY	0.7176, 0.0823, 0.4118
CMYK	0.69, 0.00, 0.36, 0.08
HSL	149°, 79%, 60%
HSV	149°, 69%, 92%
XYZ	37.6003, 62.4254, 38.9217
YIQ	175.9860, -69.5880, -60.4680

Conversions

Conversions Part 2

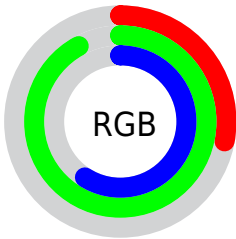
Format	Color
RYB	72, 181, 234
Decimal	4778646
CIELab	83.14, -60.28, 28.99
CIELCh	83, 66.886, 154.316
Yxy	62.4254, 0.2706, 0.4493
Android (android.graphics.Color)	4282968726 (0xFF48EA96)
YUV	175.9860, -12.8111, -91.1957
Hunter-Lab	79.0097, -53.3199, 26.0994

Details

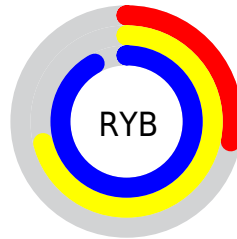
The XYZ color **37.6003, 62.4254, 38.9217** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **42.2517, 24.5287, 33.9622**, and the grayscale version is **41.3516, 43.5051, 47.3771**.

A 20% lighter version of the original color is **57.4269, 81.4167, 70.4459**, and **17.9267, 32.3261, 16.8500** is the 20% darker color. If you saturate the color by 10%, you get **35.2495, 61.3223, 33.9735**, and if you desaturate by 10%, it is **40.7190, 63.9160, 44.4368**.

Distribution



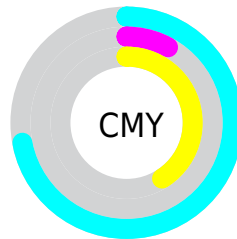
- Red (28%)
- Green (92%)
- Blue (59%)



- Red (28%)
- Yellow (71%)
- Blue (92%)



- Cyan (69%)
- Magenta (0%)
- Yellow (36%)
- Black (8%)




- Cyan (72%)
- Magenta (8%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6003, 62.4254, 38.9217 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 37.6003, 62.4254, 38.9217 by changing the saturation by 10% instead.


 37.6003, 62.4254,
38.9217


 37.6003, 62.4254,
38.9217


327.2128,
433.4811, 356.9735


 25.8484, 45.3765,
26.3915


 70.8029, 108.3401,
74.7377


 16.8424, 31.7541,
16.8883


 92.9844, 137.9747,
98.8606

 10.2168, 21.1737,
9.9938


 119.3731,
172.5734, 127.6847

 5.6063, 13.2511,
5.2893

 150.3345,
212.5205, 161.6286

 2.6456, 7.6017,
2.3563

186.2337,
258.2004, 201.1110

 0.9692, 3.8411,
0.7625

227.4363,

 0.0000, 1.5851,

309.9976, 246.5502

0.0000

274.3076,
368.2963, 298.3648

■ 0.0000, 0.3475,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6003, 62.4254,
38.9217

■ 37.6003, 62.4254,
38.9217

■ 35.2495, 61.3223,
33.9735

■ 40.7190, 63.9160,
44.4368

■ 33.5787, 60.5568,
29.5680


■ 44.6712, 65.8226,
50.5331


■ 32.4612, 60.0655,
25.6838


■ 49.5203, 68.1792,
57.2295


■ 32.3859, 60.0328,
25.4053


■ 55.3222, 71.0144,
64.5429

 62.1281, 74.3541,
72.4892

 69.9853, 78.2226,
81.0839

 78.9381, 82.6422,
90.3416

 87.4636, 86.8279,
100.2036

 88.7140, 87.3280,
106.7880

Harmonies

Analogous

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



44.9718, 62.4254, 21.0722



37.6003, 62.4254, 38.9217



35.6620, 62.4254, 74.1543

Triad

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



37.6003, 62.4254, 38.9217



61.4551, 62.4254, 182.6208



85.4482, 62.4254, 32.1810

Complementary

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



37.6003, 62.4254, 38.9217



42.2517, 24.5287, 33.9622

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.



91.6773, 62.4254, 62.1407



37.6003, 62.4254, 38.9217



76.4671, 62.4254, 157.4685

Square

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



37.6003, 62.4254, 38.9217



48.0589, 62.4254, 168.2181



88.1501, 62.4254, 108.7496



72.2463, 62.4254, 18.4395

Rectangle

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



37.6003, 62.4254, 38.9217



37.3933, 62.4254, 106.4050



88.1501, 62.4254, 108.7496



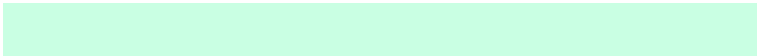
88.5166, 62.4254, 40.1243

Sweetspot

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



37.6019, 62.4279, 38.9231



73.8659, 89.5589, 86.2352



44.7739, 66.6260, 16.6317



15.3063, 18.9218, 17.8764



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.



37.6019, 62.4279, 38.9231



41.9015, 74.0934, 38.9839



46.1843, 65.8609, 84.1175



15.1704, 16.9830, 17.5803



18.2613, 33.7590, 14.6072



1.4824, 2.6703, 1.4019

Inverse Universe

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



42.2517, 24.5287, 33.9622



47.8744, 25.3164, 32.5418



37.6044, 22.6698, 9.4897



15.3916, 15.1845, 17.3476



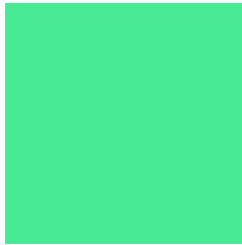
21.0827, 10.6358, 11.5030



1.7041, 0.8546, 1.1592

Previews

White Background



This preview shows how the XYZ color 37.6003, 62.4254, 38.9217 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 37.6003, 62.4254, 38.9217 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 37.6003, 62.4254, 38.9217

Background



This preview shows how black text looks on a background with the XYZ color 37.6003, 62.4254, 38.9217.

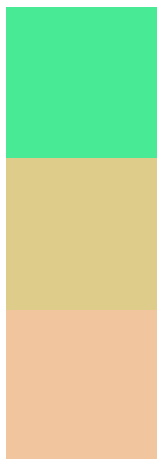


This preview shows how white text looks on a background with the XYZ color 37.6003, 62.4254,

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

37.6003, 62.4254, 38.9217

Protanopia

56.5430, 61.0272, 32.8441

Deuteranopia

62.4134, 61.1019, 40.8521



Tritanopia

48.2087, 62.1904, 92.6822

Trichromacy



Original Color

37.6003, 62.4254, 38.9217



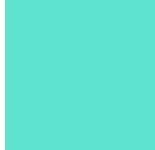
Protanomaly

45.3747, 59.2802, 34.6419



Deuteranomaly

47.7854, 58.1630, 39.7184



Tritanomaly

43.4703, 61.8719, 69.3259

Monochromacy



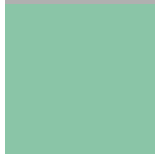
Original Color

37.6003, 62.4254, 38.9217



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

37.4225, 48.1258, 43.8760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6003, 62.4254, 38.9217 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(72, 234, 150)` looks like.

```
.text, #text, p{  
    color:rgb(72, 234, 150)  
}
```

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(72, 234, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 234, 150) }
```

Border

The CSS property to change the border of an element to XYZ 37.6003, 62.4254, 38.9217 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(72, 234, 150) }
```


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

```
.border{ border-color:rgb(72, 234, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 234, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 234, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 234, 150);  
box-shadow:4px 4px 4px 4px rgb(72, 234,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6003, 62.4254, 38.9217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 234, 150) }
```

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

```
.background{ background-color: rgb(72, 234,  
150) }
```

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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