

Converting Colors

XYZ(34.6090, 48.7566, 27.5294)

Have a look what the booklet for
XYZ(34.6090, 48.7566, 27.5294)
contains.

XYZ(34.6242, 48.7599, 27.6654)	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(34.6242, 48.7599,
27.6654)**

Conversions

Conversions Part 1

Format	Color
Hex	85CA7F
RGB	133, 202, 127
RGB Percent	52%, 79%, 50%
CMY	0.4784, 0.2078, 0.5020
CMYK	0.34, 0.00, 0.37, 0.21
HSL	115°, 41%, 65%
HSV	115°, 37%, 79%
XYZ	34.6242, 48.7599, 27.6654
YIQ	172.8190, -17.0490, -37.9530

Conversions

Conversions Part 2

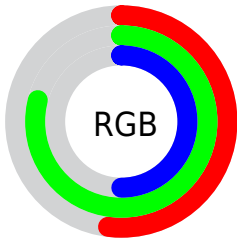
Format	Color
RYB	127, 202, 196
Decimal	8768127
CIELab	75.30, -36.45, 30.74
CIELCh	75, 47.681, 139.853
Yxy	48.7599, 0.3118, 0.4391
Android (android.graphics.Color)	4286958207 (0xFF85CA7F)
YUV	172.8190, -22.5888, -34.9213
Hunter-Lab	69.8283, -33.6907, 25.3896

Details

The XYZ color **34.6242, 48.7599, 27.6654** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0171, 31.1802, 59.7362**, and the grayscale version is **39.7470, 41.8169, 45.5386**.

A 20% lighter version of the original color is **64.7373, 85.5067, 56.2724**, and **15.0815, 23.1087, 10.6867** is the 20% darker color. If you saturate the color by 10%, you get **30.7586, 46.9057, 21.2879**, and if you desaturate by 10%, it is **39.2754, 50.9914, 35.4595**.

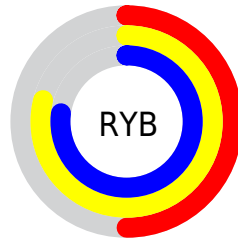
Distribution



Red (52%)

Green (79%)

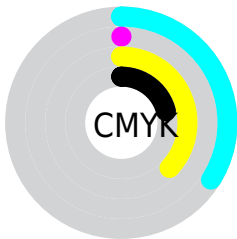
Blue (50%)



Red (50%)

Yellow (79%)

Blue (77%)

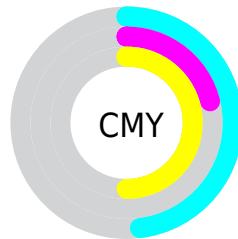


Cyan (34%)

Magenta (0%)

Yellow (37%)

Black (21%)



Cyan (48%)


Magenta (21%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6242, 48.7599, 27.6654 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 34.6242, 48.7599, 27.6654 by changing the saturation by 10% instead.


 34.6242, 48.7599,
27.6654


 34.6242, 48.7599,
27.6654


314.4436,
381.7963, 304.7261


 23.5387, 34.4291,
17.8367


 66.2410, 88.3347,
56.9664

 15.1147, 23.2234,
10.6646


 87.5031, 114.3475,
77.2759

 8.9867, 14.7586,
5.7305


 112.8880,
145.0231, 101.9161

 4.7896, 8.6501,
2.6158

142.7612,
180.7458, 131.3055

 2.1578, 4.5137,
0.9006

177.4880,
221.9001, 165.8626

 0.7204, 1.9649,
0.0000

217.4338,

 0.0000, 0.5869,

268.8704, 206.0061

0.0000

262.9639,
322.0410, 252.1544

■ 0.0000, 0.0000,
0.0000

■ 34.6242, 48.7599,
27.6654

■ 34.6242, 48.7599,
27.6654

■ 30.7586, 46.9057,
21.2879

■ 39.2754, 50.9914,
35.4595

■ 27.6317, 45.4023,
16.2388

■ 44.7483, 53.6130,
44.7447

■ 25.1973, 44.2291,
12.4255


■ 51.0815, 56.6443,
55.5943


■ 23.4023, 43.3613,
9.7417


■ 58.3097, 60.1018,
68.0756


■ 22.1860, 42.7702,
8.0634

■ 66.4661, 64.0012,
82.2522

 21.4731, 42.4205,
7.2228

 75.5818, 68.3573,
98.1842

 21.3379, 42.3545,
7.0506

 80.4115, 70.7230,
104.0205

Harmonies

Analogous

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



40.8562, 48.7599, 19.4149



34.6242, 48.7599, 27.6654



31.6621, 48.7599, 45.0374

Triad

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



34.6242, 48.7599, 27.6654



43.4400, 48.7599, 116.1463



64.0630, 48.7599, 38.3350

Complementary

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



34.6242, 48.7599, 27.6654



41.0171, 31.1802, 59.7362

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.



64.9827, 48.7599, 62.0521



34.6242, 48.7599, 27.6654



52.3042, 48.7599, 112.6224

Square

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



34.6242, 48.7599, 27.6654



36.3102, 48.7599, 99.1651



60.4505, 48.7599, 90.6662



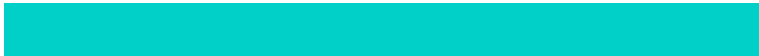
58.0763, 48.7599, 24.0936

Rectangle

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



34.6242, 48.7599, 27.6654



31.6504, 48.7599, 61.7819



60.4505, 48.7599, 90.6662



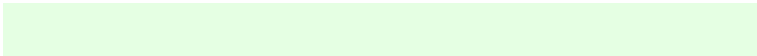
65.0015, 48.7599, 45.2564

Sweetspot

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



34.6254, 48.7620, 27.6665



81.9931, 93.7532, 86.4115



47.8736, 53.4584, 27.8747



17.2333, 19.9155, 17.9531



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.



34.6254, 48.7620, 27.6665



52.9848, 79.8507, 37.5278



36.0676, 49.2325, 40.0639



11.1498, 12.5791, 11.9198



13.7606, 27.2692, 4.5382



0.7394, 1.4220, 0.2355

Inverse Universe

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



41.0171, 31.1802, 59.7362



65.4082, 45.6099, 99.9639



39.2751, 30.6673, 42.2543



11.5956, 11.3563, 14.1512



19.9013, 9.4670, 36.7347



1.0535, 0.5022, 1.8964

Previews

White Background



This preview shows how the XYZ color 34.6242, 48.7599, 27.6654 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 34.6242, 48.7599, 27.6654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

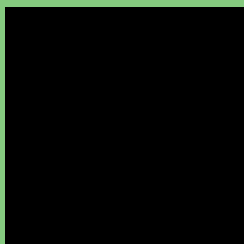
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6242, 48.7599, 27.6654

Background



This preview shows how black text looks on a background with the XYZ color 34.6242, 48.7599, 27.6654.



This preview shows how white text looks on a background with the XYZ color 34.6242, 48.7599,

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

34.6242, 48.7599, 27.6654

Protanopia

44.8265, 48.4715, 24.7626

Deuteranopia

49.1692, 48.1978, 28.9019



Tritanopia

42.4475, 48.5492, 66.8082

Trichromacy



Original Color

34.6242, 48.7599, 27.6654



Protanomaly

40.1104, 47.9218, 25.8747



Deuteranomaly

42.3947, 47.4479, 28.3966



Tritanomaly

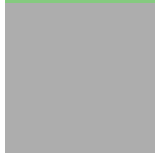
39.2043, 48.5742, 49.9573

Monochromacy



Original Color

34.6242, 48.7599, 27.6654



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.2418, 43.9504, 37.9729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6242, 48.7599, 27.6654 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(133, 202, 127)` looks like.

```
.text, #text, p{  
    color:rgb(133, 202, 127)  
}
```

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(133, 202, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 202, 127) }
```

Border

The CSS property to change the border of an element to XYZ 34.6242, 48.7599, 27.6654 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(133, 202, 127) }
```


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

```
.border{ border-color:rgb(133, 202, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 202, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 202, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 202, 127);  
box-shadow:4px 4px 4px 4px rgb(133, 202,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6242, 48.7599, 27.6654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 202, 127) }
```

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

```
.background{ background-color: rgb(133,  
202, 127) }
```

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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