

Converting Colors

XYZ(30.4207, 52.1643, 27.2082)

Have a look what the booklet for
XYZ(30.4207, 52.1643, 27.2082)
contains.

XYZ(30.3746, 52.0799, 27.1904)	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(30.3746, 52.0799,
27.1904)**

Conversions

Conversions Part 1

Format	Color
Hex	3ED97B
RGB	62, 217, 123
RGB Percent	24%, 85%, 48%
CMY	0.7569, 0.1490, 0.5176
CMYK	0.71, 0.00, 0.43, 0.15
HSL	144°, 67%, 55%
HSV	144°, 71%, 85%
XYZ	30.3746, 52.0799, 27.1904
YIQ	159.9390, -62.2060, -62.0940

Conversions

Conversions Part 2

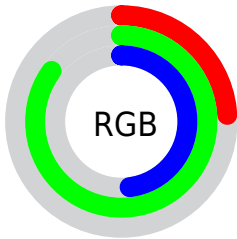
Format	Color
RYB	62, 173, 217
Decimal	4118907
CIELab	77.33, -60.43, 34.97
CIELCh	77, 69.821, 149.947
Yxy	52.0799, 0.2770, 0.4750
Android (android.graphics.Color)	4282308987 (0xFF3ED97B)
YUV	159.9390, -18.2109, -85.8925
Hunter-Lab	72.1664, -51.1612, 28.1776

Details

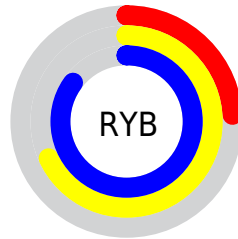
The XYZ color **30.3746, 52.0799, 27.1904** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **36.3402, 20.5983, 33.5147**, and the grayscale version is **33.4885, 35.2325, 38.3682**.

A 20% lighter version of the original color is **52.7491, 79.3615, 54.1331**, and **13.9146, 25.9576, 10.4078** is the 20% darker color. If you saturate the color by 10%, you get **28.5066, 51.2072, 23.0884**, and if you desaturate by 10%, it is **32.8990, 53.2810, 31.9036**.

Distribution



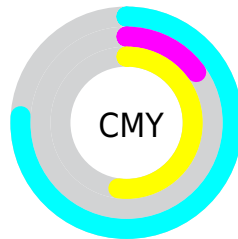
- Red (24%)
- Green (85%)
- Blue (48%)



- Red (24%)
- Yellow (68%)
- Blue (85%)



- Cyan (71%)
- Magenta (0%)
- Yellow (43%)
- Black (15%)





- Cyan (76%)
- Magenta (15%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3746, 52.0799, 27.1904 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 30.3746, 52.0799, 27.1904 by changing the saturation by 10% instead.


 30.3746, 52.0799,
27.1904


 30.3746, 52.0799,
27.1904


295.5253,
394.7450, 302.3671


 20.2726, 37.0688,
17.4826


 59.6367, 93.2491,
56.1967


 12.7028, 25.2607,
10.4136


 79.5274, 120.1759,
76.3322


 7.2998, 16.2714,
5.5648


 103.4118,
151.8434, 100.7808

 3.6983, 9.7164,
2.5179

 131.6551,
188.6360, 129.9608

 1.5329, 5.2113,
0.8496

 164.6227,
230.9380, 164.2909

 0.3480, 2.3718,
0.0000

202.6801,

 0.0000, 0.8113,

279.1340, 204.1897

0.0000

246.1925,
333.6081, 250.0756

■ 0.0000, 0.0000,
0.0000

■ 30.3746, 52.0799,
27.1904

■ 30.3746, 52.0799,
27.1904

■ 28.5066, 51.2072,
23.0884

■ 32.8990, 53.2810,
31.9036

■ 27.2176, 50.6193,
19.5677


■ 36.1377, 54.8357,
37.2489


■ 26.4695, 50.2899,
16.9899


■ 40.1463, 56.7735,
43.2506


■ 44.9738, 59.1193,
49.9305

■ 50.6647, 61.8957,
57.3094

 57.2604, 65.1235,
65.4071

 64.7995, 68.8223,
74.2427

 73.3183, 73.0104,
83.8345

 81.9976, 77.2652,
94.1602

Harmonies

Analogous

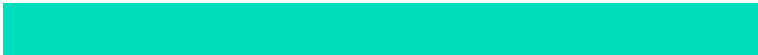
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7163, 52.0799, 13.7795



30.3746, 52.0799, 27.1904



27.9406, 52.0799, 56.6384

Triad

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



30.3746, 52.0799, 27.1904



49.4767, 52.0799, 167.1847



75.3607, 52.0799, 27.2624

Complementary

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



30.3746, 52.0799, 27.1904



36.3402, 20.5983, 33.5147

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.



80.0072, 52.0799, 56.7740



30.3746, 52.0799, 27.1904



63.5142, 52.0799, 147.7283

Square

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



30.3746, 52.0799, 27.1904



37.6821, 52.0799, 147.6000



75.3294, 52.0799, 102.2877



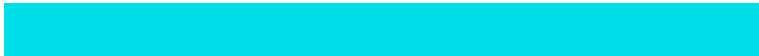
63.5626, 52.0799, 13.8059

Rectangle

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



30.3746, 52.0799, 27.1904



29.0101, 52.0799, 85.8009



75.3294, 52.0799, 102.2877



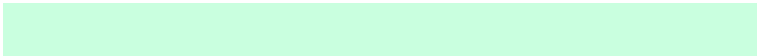
77.8964, 52.0799, 35.0671

Sweetspot

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



30.3759, 52.0820, 27.1916



73.2238, 89.3021, 82.8540



39.7028, 57.2028, 13.5065



15.1544, 18.8610, 17.0765



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.



30.3759, 52.0820, 27.1916



39.9903, 73.2949, 30.4534



37.1002, 54.7717, 62.6010



13.0977, 14.6907, 14.9773



16.0711, 30.4611, 10.5400



1.0828, 1.9901, 0.9021

Inverse Universe

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



36.3402, 20.5983, 33.5147



48.9947, 25.3568, 39.6985



31.7903, 18.7783, 9.5551



13.3860, 13.1835, 15.2941



19.8802, 9.9531, 14.2809



1.3299, 0.6616, 1.1460

Previews

White Background



This preview shows how the XYZ color 30.3746, 52.0799, 27.1904 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 30.3746, 52.0799, 27.1904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

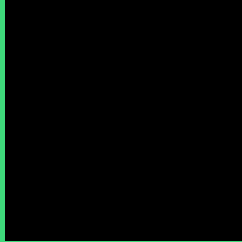
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3746, 52.0799, 27.1904

Background



This preview shows how black text looks on a background with the XYZ color 30.3746, 52.0799, 27.1904.



This preview shows how white text looks on a background with the XYZ color 30.3746, 52.0799,

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

30.3746, 52.0799, 27.1904

Protanopia

46.8544, 50.8304, 22.6710

Deuteranopia

52.0528, 50.8824, 28.9076



Tritanopia

40.2931, 52.0132, 77.0231

Trichromacy



Original Color

30.3746, 52.0799, 27.1904



Protanomaly

36.9022, 48.9778, 24.0317



Deuteranomaly

38.9801, 48.2755, 28.0325



Tritanomaly

35.6558, 51.5697, 54.5291

Monochromacy



Original Color

30.3746, 52.0799, 27.1904



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.1025, 39.4394, 33.6298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3746, 52.0799, 27.1904 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(62, 217, 123)` looks like.

```
.text, #text, p{  
    color:rgb(62, 217, 123)  
}
```

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(62, 217, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 217, 123) }
```

Border

The CSS property to change the border of an element to XYZ 30.3746, 52.0799, 27.1904 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(62, 217, 123) }
```


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

```
.border{ border-color:rgb(62, 217, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 217, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 217, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 217, 123);  
box-shadow:4px 4px 4px 4px rgb(62, 217,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3746, 52.0799, 27.1904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 217, 123) }
```

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

```
.background{ background-color: rgb(62, 217,  
123) }
```

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