

Converting Colors

XYZ(30.6391, 50.3242, 25.3924)

Have a look what the booklet for
XYZ(30.6391, 50.3242, 25.3924)
contains.

XYZ(30.6512, 50.3734, 25.2471)	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(30.6512, 50.3734,
25.2471)**

Conversions

Conversions Part 1

Format	Color
Hex	56D476
RGB	86, 212, 118
RGB Percent	34%, 83%, 46%
CMY	0.6627, 0.1686, 0.5372
CMYK	0.59, 0.00, 0.44, 0.17
HSL	135°, 59%, 58%
HSV	135°, 59%, 83%
XYZ	30.6512, 50.3734, 25.2471
YIQ	163.6100, -44.9220, -55.9460

Conversions

Conversions Part 2

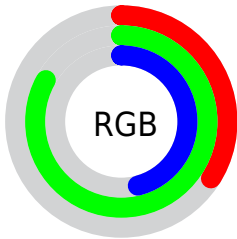
Format	Color
R_{YB}	86, 186, 212
Decimal	5690486
CIE Lab	76.30, -54.96, 36.26
CIE LCh	76, 65.844, 146.581
Yxy	50.3734, 0.2884, 0.4740
Android (android.graphics.Color)	4283880566 (0xFF56D476)
YUV	163.6100, -22.4857, -68.0640
Hunter-Lab	70.9742, -47.1172, 28.5912

Details

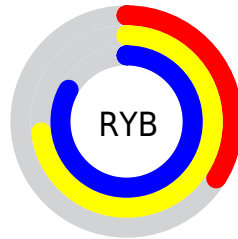
The XYZ color **30.6512, 50.3734, 25.2471** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **38.7188, 23.9487, 45.7630**, and the grayscale version is **35.2209, 37.0552, 40.3531**.

A 20% lighter version of the original color is **54.9647, 80.5713, 51.1829**, and **12.9319, 24.1943, 9.4572** is the 20% darker color. If you saturate the color by 10%, you get **28.1188, 49.1690, 20.6275**, and if you desaturate by 10%, it is **33.9225, 51.9434, 30.7262**.

Distribution



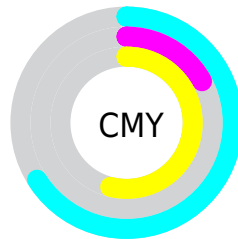
- Red (34%)
- Green (83%)
- Blue (46%)



- Red (34%)
- Yellow (73%)
- Blue (83%)



- Cyan (59%)
- Magenta (0%)
- Yellow (44%)
- Black (17%)



- Cyan (66%)
- Magenta (17%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6512, 50.3734, 25.2471 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 30.6512, 50.3734, 25.2471 by changing the saturation by 10% instead.

■ 30.6512, 50.3734,
25.2471

■ 30.6512, 50.3734,
25.2471

296.7838,
388.1244, 292.5533

■ 20.4839, 35.7102,
16.0406

■ 60.0701, 90.7279,
53.0269

■ 12.8576, 24.2104,
9.3982

■ 80.0524, 117.1879,
72.4372

■ 7.4069, 15.4898,
4.9015

■ 104.0371,
148.3490, 96.0859

■ 3.7664, 9.1639,
2.1318

■ 132.3895,
184.5956, 124.3914

■ 1.5709, 4.8482,
0.6346

165.4751,
226.3120, 157.7724

■ 0.3733, 2.1585,
0.0000

203.6591,

■ 0.0000, 0.6972,

273.8827, 196.6473

0.0000

247.3069,
327.6920, 241.4348

■ 0.0000, 0.0000,
0.0000

■ 30.6512, 50.3734,
25.2471

■ 30.6512, 50.3734,
25.2471

■ 28.1188, 49.1690,
20.6275

■ 33.9225, 51.9434,
30.7262

■ 26.2608, 48.2935,
16.8201

■ 37.9827, 53.8996,
37.1019

■ 25.0073, 47.7133,
13.7781

■ 42.8817, 56.2683,
44.4135

■ 24.2428, 47.3700,
11.4473

■ 48.6639, 59.0718,
52.6968

■ 24.2067, 47.3538,
11.3352

■ 55.3709, 62.3308,
61.9857

■ 63.0414, 66.0644,
72.3124

■ 71.7118, 70.2910,
83.7079

■ 81.1943, 74.9129,
96.1912

■ 82.8345, 75.5689,
104.8282

Harmonies

Analogous

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



38.0095, 50.3734, 13.7127



30.6512, 50.3734, 25.2471



27.8529, 50.3734, 50.8873

Triad

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



30.6512, 50.3734, 25.2471



46.4747, 50.3734, 154.7435



72.4400, 50.3734, 29.6759

Complementary

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



30.6512, 50.3734, 25.2471



38.7188, 23.9487, 45.7630

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.



75.7448, 50.3734, 59.0092



30.6512, 50.3734, 25.2471



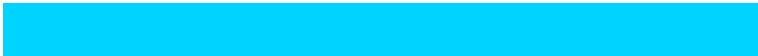
59.3229, 50.3734, 141.0427

Square

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



30.6512, 50.3734, 25.2471



35.9428, 50.3734, 133.5583



70.5876, 50.3734, 101.5387



62.2009, 50.3734, 15.3880

Rectangle

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



30.6512, 50.3734, 25.2471



28.5175, 50.3734, 76.6612



70.5876, 50.3734, 101.5387



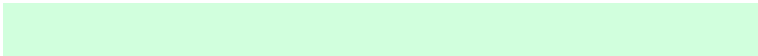
74.4674, 50.3734, 37.6231

Sweetspot

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



30.6525, 50.3755, 25.2482



75.1016, 90.2974, 81.7082



44.1640, 57.5246, 17.5800



15.4805, 19.0389, 16.6517



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.



30.6525, 50.3755, 25.2482



41.9663, 74.3283, 29.8827



35.6719, 52.3832, 51.6801



12.3905, 13.9472, 13.8710



14.9779, 29.2465, 7.1791



0.9371, 1.7775, 0.6106

Inverse Universe

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



38.7188, 23.9487, 45.7630



55.1963, 30.7552, 63.3602



33.7208, 21.9495, 19.4441



12.8120, 12.5763, 14.9503



20.6226, 10.1854, 21.1146



1.2764, 0.6273, 1.4447

Previews

White Background



This preview shows how the XYZ color 30.6512, 50.3734, 25.2471 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 30.6512, 50.3734, 25.2471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

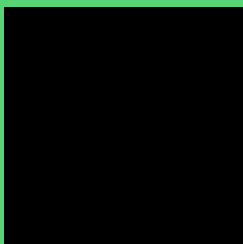
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

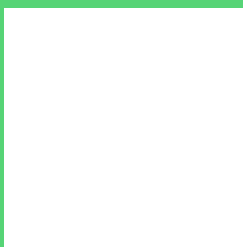
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6512, 50.3734, 25.2471

Background



This preview shows how black text looks on a background with the XYZ color 30.6512, 50.3734, 25.2471.

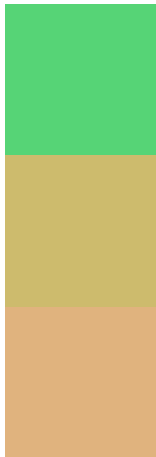


This preview shows how white text looks on a background with the XYZ color 30.6512, 50.3734,

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

30.6512, 50.3734, 25.2471

Protanopia

45.7075, 49.6239, 21.6373

Deuteranopia

50.6265, 49.5939, 26.6429



Tritanopia

40.2211, 50.2938, 73.2334

Trichromacy



Original Color

30.6512, 50.3734, 25.2471



Protanomaly

37.5648, 48.3311, 22.6782



Deuteranomaly

39.6615, 47.6903, 25.8537



Tritanomaly

35.7653, 49.8824, 51.4593

Monochromacy



Original Color

30.6512, 50.3734, 25.2471



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.9437, 40.3886, 33.7159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6512, 50.3734, 25.2471 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(86, 212, 118)` looks like.

```
.text, #text, p{  
    color:rgb(86, 212, 118)  
}
```

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(86, 212, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 212, 118) }
```

Border

The CSS property to change the border of an element to XYZ 30.6512, 50.3734, 25.2471 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(86, 212, 118) }
```


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

```
.border{ border-color:rgb(86, 212, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 212, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 212, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 212, 118);  
box-shadow:4px 4px 4px 4px rgb(86, 212,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6512, 50.3734, 25.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 212, 118) }
```

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

```
.background{ background-color: rgb(86, 212,  
118) }
```

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