

Converting Colors

XYZ(30.7937, 50.9887, 24.5788)

Have a look what the booklet for
XYZ(30.7937, 50.9887, 24.5788)
contains.

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Color

**XYZ(30.6351, 50.7576,
24.4022)**

Conversions

Conversions Part 1

Format	Color
Hex	55D573
RGB	85, 213, 115
RGB Percent	33%, 84%, 45%
CMY	0.6667, 0.1647, 0.5490
CMYK	0.60, 0.00, 0.46, 0.16
HSL	134°, 60%, 58%
HSV	134°, 60%, 84%
XYZ	30.6351, 50.7576, 24.4022
YIQ	163.5560, -44.8300, -57.6140

Conversions

Conversions Part 2

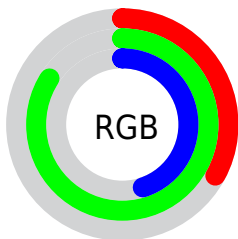
Format	Color
R _Y B	85, 189, 213
Decimal	5625203
CIE Lab	76.53, -56.03, 38.05
CIE LCh	77, 67.728, 145.815
Yxy	50.7576, 0.2896, 0.4798
Android (android.graphics.Color)	4283815283 (0xFF55D573)
YUV	163.5560, -23.9381, -68.8936
Hunter-Lab	71.2444, -47.9226, 29.5634

Details

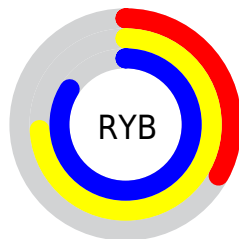
The XYZ color **30.6351, 50.7576, 24.4022** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **39.2379, 24.0630, 47.3780**, and the grayscale version is **35.2021, 37.0353, 40.3315**.

A 20% lighter version of the original color is **54.5049, 80.3669, 49.6854**, and **12.9824, 24.4841, 8.8922** is the 20% darker color. If you saturate the color by 10%, you get **28.1278, 49.5655, 19.8126**, and if you desaturate by 10%, it is **33.8929, 52.3203, 29.8958**.

Distribution



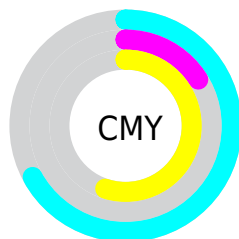
- Red (33%)
- Green (84%)
- Blue (45%)



- Red (33%)
- Yellow (74%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (16%)



- Cyan (67%)
- Magenta (16%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6351, 50.7576, 24.4022 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 30.6351, 50.7576, 24.4022 by changing the saturation by 10% instead.

■ 30.6351, 50.7576,
24.4022

■ 30.6351, 50.7576,
24.4022

296.7107,
389.6213, 288.1994

■ 20.4716, 36.0157,
15.4173

■ 60.0449, 91.2964,
51.6378

■ 12.8486, 24.4463,
8.9629

■ 80.0219, 117.8621,
70.7255

■ 7.4006, 15.6651,
4.6205

■ 104.0007,
149.1378, 94.0179

■ 3.7624, 9.2874,
1.9716

■ 132.3468,
185.5080, 121.9336

■ 1.5686, 4.9291,
0.5377

165.4255,
227.3571, 154.8910

■ 0.3718, 2.2057,
0.0000

203.6022,

■ 0.0000, 0.7231,

275.0694, 193.3088

0.0000

247.2421,
329.0293, 237.6054

■ 0.0000, 0.0000,
0.0000

■ 30.6351, 50.7576,
24.4022

■ 30.6351, 50.7576,
24.4022

■ 28.1278, 49.5655,
19.8126

■ 33.8929, 52.3203,
29.8958

■ 26.3043, 48.7063,
16.0749

■ 37.9528, 54.2749,
36.3348

■ 25.0923, 48.1453,
13.1369

■ 42.8662, 56.6486,
43.7623

■ 24.3693, 47.8201,
10.9547

■ 48.6790, 59.4641,
52.2176

■ 55.4337, 62.7425,
61.7380

■ 63.1704, 66.5038,
72.3588

■ 71.9263, 70.7666,
84.1136

■ 81.5881, 75.4716,
97.0279

■ 83.0852, 76.0704,
104.9117

Harmonies

Analogous

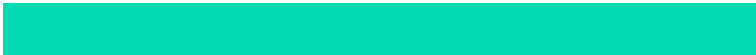
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.3130, 50.7576, 13.0344



30.6351, 50.7576, 24.4022



27.6492, 50.7576, 50.2877

Triad

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



30.6351, 50.7576, 24.4022



46.4723, 50.7576, 159.3808



73.9219, 50.7576, 29.9325

Complementary

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



30.6351, 50.7576, 24.4022



39.2379, 24.0630, 47.3780

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.



77.1403, 50.7576, 60.5633



30.6351, 50.7576, 24.4022



59.7570, 50.7576, 145.9267

Square

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



30.6351, 50.7576, 24.4022



35.7104, 50.7576, 136.3331



71.5638, 50.7576, 104.9965



63.4117, 50.7576, 15.0950

Rectangle

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



30.6351, 50.7576, 24.4022



28.2502, 50.7576, 76.7543



71.5638, 50.7576, 104.9965



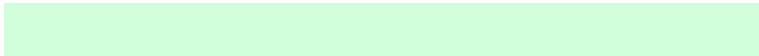
75.9638, 50.7576, 38.2174

Sweetspot

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



30.6364, 50.7597, 24.4033



74.9823, 90.2497, 81.0795



44.9960, 58.3304, 17.4821



15.4518, 19.0274, 16.5006



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.



30.6364, 50.7597, 24.4033



41.4499, 74.0995, 28.1667



35.6652, 52.7712, 50.8850



12.3805, 13.9432, 13.8182



14.9183, 29.2227, 6.8656



0.9323, 1.7756, 0.5853

Inverse Universe

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



39.2379, 24.0630, 47.3780



55.3984, 30.5694, 65.2471



34.0283, 21.9792, 19.9445



12.8227, 12.5806, 15.0068



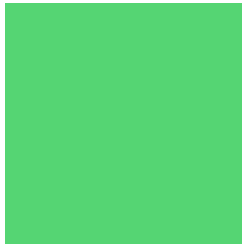
20.8456, 10.2745, 22.2886



1.2882, 0.6321, 1.5069

Previews

White Background



This preview shows how the XYZ color 30.6351, 50.7576, 24.4022 looks on a white background.

Color Contrast Check

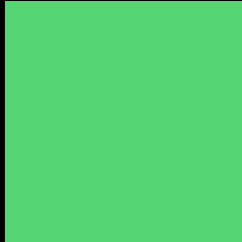
Large Text (above 18pt) WCAG AA × Fail

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 30.6351, 50.7576, 24.4022 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 30.6351, 50.7576, 24.4022

Background



This preview shows how black text looks on a background with the XYZ color 30.6351, 50.7576, 24.4022.

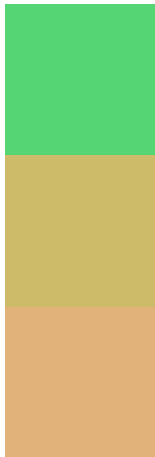


This preview shows how white text looks on a background with the XYZ color 30.6351, 50.7576,

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

30.6351, 50.7576, 24.4022

Protanopia

45.8254, 49.7031, 20.8141

Deuteranopia

50.7466, 49.6778, 25.6530



Tritanopia

40.3516, 50.3460, 73.9207

Trichromacy



Original Color

30.6351, 50.7576, 24.4022



Protanomaly

37.4005, 48.2654, 21.8129



Deuteranomaly

39.4765, 47.6163, 24.8795



Tritanomaly

35.7653, 49.8824, 51.4593

Monochromacy



Original Color

30.6351, 50.7576, 24.4022



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.9079, 40.6821, 33.3648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6351, 50.7576, 24.4022 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(85, 213, 115)` looks like.

```
.text, #text, p{  
    color:rgb(85, 213, 115)  
}
```

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(85, 213, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 213, 115) }
```

Border

The CSS property to change the border of an element to XYZ 30.6351, 50.7576, 24.4022 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(85, 213, 115) }
```


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

```
.border{ border-color:rgb(85, 213, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 213, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 213, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 213, 115);  
box-shadow:4px 4px 4px 4px rgb(85, 213,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6351, 50.7576, 24.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 213, 115) }
```

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

```
.background{ background-color: rgb(85, 213,  
115) }
```

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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