

Converting Colors

XYZ(31.2383, 51.5511, 18.4003)

Have a look what the booklet for
XYZ(31.2383, 51.5511, 18.4003)
contains.

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Color

**XYZ(31.2339, 51.5752,
18.4340)**

Conversions

Conversions Part 1

Format	Color
Hex	64D65C
RGB	100, 214, 92
RGB Percent	39%, 84%, 36%
CMY	0.6078, 0.1608, 0.6392
CMYK	0.53, 0.00, 0.57, 0.16
HSL	116°, 60%, 60%
HSV	116°, 57%, 84%
XYZ	31.2339, 51.5752, 18.4340
YIQ	166.0060, -28.7820, -62.1100

Conversions

Conversions Part 2

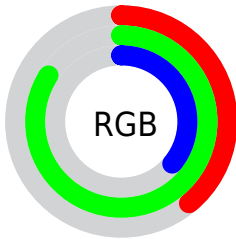
Format	Color
RYB	92, 214, 206
Decimal	6608476
CIELab	77.03, -55.94, 49.75
CIELCh	77, 74.859, 138.351
Yxy	51.5752, 0.3085, 0.5094
Android (android.graphics.Color)	4284798556 (0xFF64D65C)
YUV	166.0060, -36.4850, -57.8873
Hunter-Lab	71.8159, -48.0452, 35.0523

Details

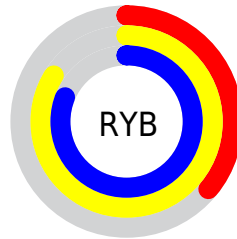
The XYZ color **31.2339, 51.5752, 18.4340** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **41.4210, 25.6329, 66.3856**, and the grayscale version is **36.4304, 38.3276, 41.7388**.

A 20% lighter version of the original color is **55.1689, 80.9353, 39.5024**, and **13.1581, 24.8915, 6.0305** is the 20% darker color. If you saturate the color by 10%, you get **28.4808, 50.2507, 14.0929**, and if you desaturate by 10%, it is **34.7965, 53.2896, 24.1942**.

Distribution



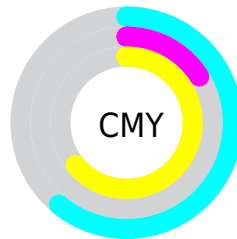
- Red (39%)
- Green (84%)
- Blue (36%)



- Red (36%)
- Yellow (84%)
- Blue (81%)



- Cyan (53%)
- Magenta (0%)
- Yellow (57%)
- Black (16%)



- Cyan (61%)
- Magenta (16%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2339, 51.5752, 18.4340 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 31.2339, 51.5752, 18.4340 by changing the saturation by 10% instead.

■ 31.2339, 51.5752,
18.4340

■ 31.2339, 51.5752,
18.4340

299.4221,
392.7944, 255.6238

■ 20.9297, 36.6666,
11.0894

■ 60.9815, 92.5045,
41.5994

■ 13.1848, 24.9494,
6.0120

■ 81.1556, 119.2939,
58.2572

■ 7.6338, 16.0394,
2.7835

■ 105.3504,
150.8124, 78.8564

■ 3.9114, 9.5520,
0.9852

■ 133.9312,
187.4443, 103.8157

■ 1.6521, 5.1030,
0.0000

167.2635,
229.5741, 133.5536

■ 0.4260, 2.3078,
0.0000

205.7125,

■ 0.0000, 0.7778,

277.5861, 168.4885

0.0000

249.6436,
331.8648, 209.0391

■ 0.0000, 0.0000,
0.0000

■ 31.2339, 51.5752,
18.4340

■ 31.2339, 51.5752,
18.4340

■ 28.4808, 50.2507,
14.0929

■ 34.7965, 53.2896,
24.1942

■ 26.4701, 49.2795,
11.0450

■ 39.2215, 55.4141,
31.4783

■ 25.1302, 48.6294,
9.1482

■ 44.5616, 57.9754,
40.3851

■ 24.3714, 48.2581,
8.2141

■ 50.8642, 60.9960,
51.0044

■ 24.2292, 48.1888,
8.0244

■ 58.1734, 64.4968,
63.4192

■ 66.5307, 68.4976,
77.7071

■ 75.9752, 73.0168,
93.9413

■ 83.3376, 76.5752,
104.9959

Harmonies

Analogous

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



40.8747, 51.5752, 9.7044



31.2339, 51.5752, 18.4340



26.7477, 51.5752, 41.7294

Triad

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



31.2339, 51.5752, 18.4340



43.6834, 51.5752, 173.7354



79.9704, 51.5752, 34.8601

Complementary

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



31.2339, 51.5752, 18.4340



41.4210, 25.6329, 66.3856

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.



81.1273, 51.5752, 73.5762



31.2339, 51.5752, 18.4340



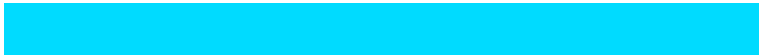
58.1829, 51.5752, 168.7324

Square

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



31.2339, 51.5752, 18.4340



32.9449, 51.5752, 137.7858



72.5315, 51.5752, 126.2955



69.6240, 51.5752, 15.5105

Rectangle

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



31.2339, 51.5752, 18.4340



26.5650, 51.5752, 68.3687



72.5315, 51.5752, 126.2955



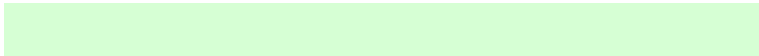
81.5117, 51.5752, 45.4929

Sweetspot

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



31.2351, 51.5774, 18.4352



75.4748, 90.6261, 75.5708



51.7049, 59.1499, 18.8179



15.7233, 19.1910, 15.4459



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.



31.2351, 51.5774, 18.4352



41.7786, 74.4485, 20.0711



33.5624, 52.4111, 35.0831



12.3370, 13.9344, 13.2001



14.6753, 29.1417, 4.8514



0.9122, 1.7717, 0.2939

Inverse Universe

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



41.4210, 25.6329, 66.3856



58.2183, 32.3620, 97.7858



38.0053, 24.5297, 36.5133



12.8689, 12.5893, 15.6892



21.7638, 10.3722, 39.3081



1.3375, 0.6384, 2.3720

Previews

White Background



This preview shows how the XYZ color 31.2339, 51.5752, 18.4340 looks on a white background.

Color Contrast Check

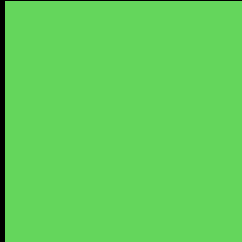
Large Text (above 18pt) WCAG AA × Fail

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 31.2339, 51.5752, 18.4340 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 31.2339, 51.5752, 18.4340

Background



This preview shows how black text looks on a background with the XYZ color 31.2339, 51.5752, 18.4340.

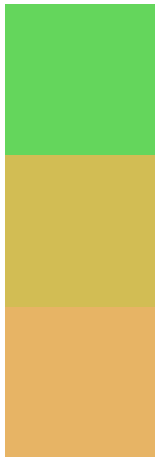


This preview shows how white text looks on a background with the XYZ color 31.2339, 51.5752,

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

31.2339, 51.5752, 18.4340

Protanopia

46.3762, 50.7369, 15.7364

Deuteranopia

51.6252, 50.5710, 19.3522



Tritanopia

42.1634, 51.2951, 73.3243

Trichromacy



Original Color

31.2339, 51.5752, 18.4340



Protanomaly

38.4919, 49.6223, 16.5662



Deuteranomaly

40.5827, 48.6484, 18.8064



Tritanomaly

36.8538, 50.9031, 46.9126

Monochromacy



Original Color

31.2339, 51.5752, 18.4340



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.7490, 41.4818, 30.7068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2339, 51.5752, 18.4340 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(100, 214, 92)` looks like.

```
.text, #text, p{  
    color:rgb(100, 214, 92)  
}
```

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(100, 214, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 214, 92) }
```

Border

The CSS property to change the border of an element to XYZ 31.2339, 51.5752, 18.4340 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(100, 214, 92) }
```


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

```
.border{ border-color:rgb(100, 214, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 214, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 214, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 214, 92);  
box-shadow:4px 4px 4px 4px rgb(100, 214,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2339, 51.5752, 18.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 214, 92) }
```

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

```
.background{ background-color: rgb(100,  
214, 92) }
```

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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