

Converting Colors

XYZ(31.5124, 51.2294, 24.9558)

Have a look what the booklet for
XYZ(31.5124, 51.2294, 24.9558)
contains.

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Color

**XYZ(31.5193, 51.2000,
25.0510)**

Conversions

Conversions Part 1

Format	Color
Hex	5DD575
RGB	93, 213, 117
RGB Percent	36%, 84%, 46%
CMY	0.6353, 0.1647, 0.5412
CMYK	0.56, 0.00, 0.45, 0.16
HSL	132°, 59%, 60%
HSV	132°, 56%, 84%
XYZ	31.5193, 51.2000, 25.0510
YIQ	166.1760, -40.7040, -55.2960

Conversions

Conversions Part 2

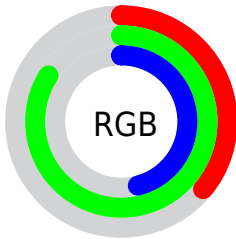
Format	Color
RYB	93, 193, 213
Decimal	6149493
CIELab	76.80, -53.92, 37.45
CIElCh	77, 65.645, 145.217
Yxy	51.2000, 0.2925, 0.4751
Android (android.graphics.Color)	4284339573 (0xFF5DD575)
YUV	166.1760, -24.2438, -64.1754
Hunter-Lab	71.5542, -46.5913, 29.3306

Details

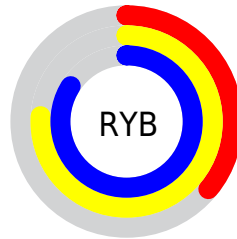
The XYZ color **31.5193, 51.2000, 25.0510** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **40.5417, 25.6498, 50.9594**, and the grayscale version is **36.4594, 38.3581, 41.7720**.

A 20% lighter version of the original color is **55.9646, 81.0977, 50.7340**, and **13.2898, 24.6359, 9.2090** is the 20% darker color. If you saturate the color by 10%, you get **28.7439, 49.8761, 20.1592**, and if you desaturate by 10%, it is **35.0800, 52.9106, 30.9338**.

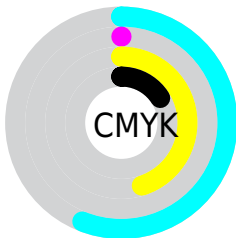
Distribution



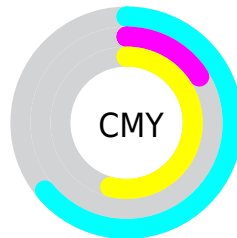
- Red (36%)
- Green (84%)
- Blue (46%)



- Red (36%)
- Yellow (76%)
- Blue (84%)



- Cyan (56%)
- Magenta (0%)
- Yellow (45%)
- Black (16%)





- Cyan (64%)
- Magenta (16%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5193, 51.2000, 25.0510 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 31.5193, 51.2000, 25.0510 by changing the saturation by 10% instead.


 31.5193, 51.2000,
25.0510


 31.5193, 51.2000,
25.0510


300.7080,
391.3403, 291.5476


 21.1484, 36.3678,
15.8957


 61.4270, 91.9503,
52.7051

 13.3456, 24.7184,
9.2968


 81.6945, 118.6373,
72.0410

 7.7456, 15.8674,
4.8358


 105.9916,
150.0446, 95.6074

 3.9830, 9.4303,
2.0942

 134.6836,
186.5566, 123.8230

 1.6925, 5.0229,
0.6123

168.1359,
228.5578, 157.1063

 0.4516, 2.2607,
0.0000

206.7138,

 0.0000, 0.7528,

276.4326, 195.8758

0.0000

250.7827,
330.5653, 240.5501

■ 0.0000, 0.0000,
0.0000

■ 31.5193, 51.2000,
25.0510

■ 31.5193, 51.2000,
25.0510

■ 28.7439, 49.8761,
20.1592

■ 35.0800, 52.9106,
30.9338

■ 26.6888, 48.9022,
16.2004

■ 39.4767, 55.0285,
37.8544

■ 25.2847, 48.2451,
13.1157

■ 44.7601, 57.5805,
45.8609

■ 24.4439, 47.8613,
10.8381

■ 50.9760, 60.5891,
54.9974

■ 24.2240, 47.7620,
10.1898

■ 58.1668, 64.0754,
65.3054

■ 66.3724, 68.0591,
76.8244

■ 75.6303, 72.5587,
89.5920

■ 82.8165, 75.9630,
103.4963

■ 83.0852, 76.0705,
104.9117

Harmonies

Analogous

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



39.1535, 51.2000, 13.8614



31.5193, 51.2000, 25.0510



28.4802, 51.2000, 50.2199

Triad

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



31.5193, 51.2000, 25.0510



46.6934, 51.2000, 155.8924



73.7174, 51.2000, 31.3266

Complementary

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



31.5193, 51.2000, 25.0510



40.5417, 25.6498, 50.9594

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.



76.6571, 51.2000, 61.6678



31.5193, 51.2000, 25.0510



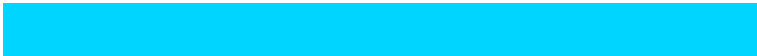
59.6020, 51.2000, 143.7190

Square

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



31.5193, 51.2000, 25.0510



36.2357, 51.2000, 133.2276



71.1135, 51.2000, 104.7689



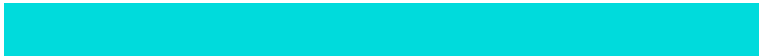
63.6516, 51.2000, 16.2492

Rectangle

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



31.5193, 51.2000, 25.0510



29.0129, 51.2000, 75.7671



71.1135, 51.2000, 104.7689



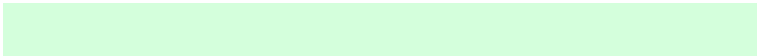
75.6374, 51.2000, 39.6080

Sweetspot

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



31.5206, 51.2021, 25.0522



75.7713, 90.6494, 81.4364



46.7582, 59.2001, 19.3185



15.7927, 19.1967, 16.8106



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.



31.5206, 51.2021, 25.0522



42.3738, 74.5635, 28.7679



36.2456, 53.0921, 49.9340



12.3630, 13.9362, 13.7258



14.8258, 29.1857, 6.3784



0.9242, 1.7723, 0.5424

Inverse Universe

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



40.5417, 25.6498, 50.9594



57.1877, 32.4186, 71.1746



35.3187, 23.5606, 23.4556



12.8416, 12.5881, 15.1062



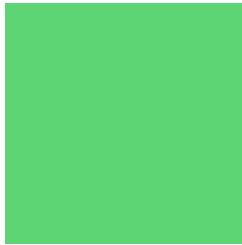
21.2542, 10.4380, 24.4406



1.3096, 0.6406, 1.6199

Previews

White Background



This preview shows how the XYZ color 31.5193, 51.2000, 25.0510 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 31.5193, 51.2000, 25.0510 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 31.5193, 51.2000, 25.0510

Background



This preview shows how black text looks on a background with the XYZ color 31.5193, 51.2000, 25.0510.

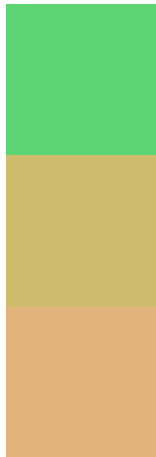


This preview shows how white text looks on a background with the XYZ color 31.5193, 51.2000,

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

31.5193, 51.2000, 25.0510

Protanopia

46.1436, 50.1710, 21.4393

Deuteranopia

51.3870, 50.2919, 26.4010



Tritanopia

41.1493, 50.7572, 73.9580

Trichromacy



Original Color

31.5193, 51.2000, 25.0510



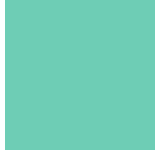
Protanomaly

38.3525, 49.0795, 22.4908



Deuteranomaly

40.7226, 48.5694, 25.6409



Tritanomaly

36.6022, 50.3138, 51.4985

Monochromacy



Original Color

31.5193, 51.2000, 25.0510



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

32.9262, 41.4941, 34.2907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5193, 51.2000, 25.0510 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(93, 213, 117)` looks like.

```
.text, #text, p{  
    color:rgb(93, 213, 117)  
}
```

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(93, 213, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 213, 117) }
```

Border

The CSS property to change the border of an element to XYZ 31.5193, 51.2000, 25.0510 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(93, 213, 117) }
```


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

```
.border{ border-color:rgb(93, 213, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 213, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 213, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 213, 117);  
box-shadow:4px 4px 4px 4px rgb(93, 213,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5193, 51.2000, 25.0510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 213, 117) }
```

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

```
.background{ background-color: rgb(93, 213,  
117) }
```

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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