

Converting Colors

XYZ(31.5328, 51.8315, 22.9759)

Have a look what the booklet for
XYZ(31.5328, 51.8315, 22.9759)
contains.

XYZ(31.6291, 52.0538, 23.1322)	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(31.6291, 52.0538,
23.1322)**

Conversions

Conversions Part 1

Format	Color
Hex	5DD76E
RGB	93, 215, 110
RGB Percent	36%, 84%, 43%
CMY	0.6353, 0.1568, 0.5686
CMYK	0.57, 0.00, 0.49, 0.16
HSL	128°, 60%, 60%
HSV	128°, 57%, 84%
XYZ	31.6291, 52.0538, 23.1322
YIQ	166.5520, -39.0070, -58.5190

Conversions

Conversions Part 2

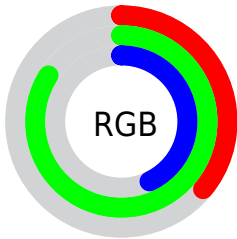
Format	Color
RYB	93, 200, 215
Decimal	6149998
CIELab	77.31, -55.72, 41.55
CIELCh	77, 69.507, 143.294
Yxy	52.0538, 0.2961, 0.4873
Android (android.graphics.Color)	4284340078 (0xFF5DD76E)
YUV	166.5520, -27.8801, -64.5051
Hunter-Lab	72.1483, -48.0069, 31.4943

Details

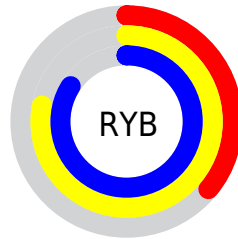
The XYZ color **31.6291, 52.0538, 23.1322** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **42.1332, 26.3539, 56.2936**, and the grayscale version is **36.6586, 38.5677, 42.0002**.

A 20% lighter version of the original color is **55.5077, 80.9366, 47.3471**, and **13.3846, 25.2136, 8.2989** is the 20% darker color. If you saturate the color by 10%, you get **28.8468, 50.7255, 18.2813**, and if you desaturate by 10%, it is **35.2360, 53.7859, 29.1221**.

Distribution



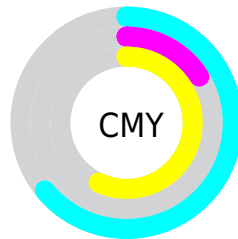
- Red (36%)
- Green (84%)
- Blue (43%)



- Red (36%)
- Yellow (78%)
- Blue (84%)



- Cyan (57%)
- Magenta (0%)
- Yellow (49%)
- Black (16%)



- Cyan (64%)
- Magenta (16%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6291, 52.0538, 23.1322 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 31.6291, 52.0538, 23.1322 by changing the saturation by 10% instead.

■ 31.6291, 52.0538,
23.1322

■ 31.6291, 52.0538,
23.1322

301.2016,
394.6443, 281.5472

■ 21.2325, 37.0480,
14.4849

■ 61.5983, 93.2106,
49.5363

■ 13.4075, 25.2446,
8.3161

■ 81.9017, 120.1303,
68.1301

■ 7.7887, 16.2594,
4.2072

■ 106.2380,
151.7901, 90.8766

■ 4.0107, 9.7079,
1.7397

■ 134.9726,
188.5744, 118.1942

■ 1.7082, 5.2057,
0.3877

168.4710,
230.8676, 150.5016

■ 0.4614, 2.3685,
0.0000

207.0983,

■ 0.0000, 0.8096,

279.0540, 188.2172

0.0000

251.2201,
333.5181, 231.7595

■ 0.0000, 0.0000,
0.0000

■ 31.6291, 52.0538,
23.1322

■ 31.6291, 52.0538,
23.1322

■ 28.8468, 50.7255,
18.2813

■ 35.2360, 53.7859,
29.1221

■ 26.8193, 49.7620,
14.4939

■ 39.7224, 55.9442,
36.3131

■ 25.4716, 49.1279,
11.6908

■ 45.1428, 58.5570,
44.7672

■ 24.7073, 48.7754,
9.7803

■ 51.5463, 61.6484,
54.5408

■ 24.5353, 48.6964,
9.3320

■ 58.9783, 65.2408,
65.6871

67.4816, 69.3550,
78.2564

77.0965, 74.0109,
92.2964

83.5914, 77.0829,
105.0805

Harmonies

Analogous

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



40.0097, 52.0538, 12.4382



31.6291, 52.0538, 23.1322



28.1231, 52.0538, 48.5246

Triad

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



31.6291, 52.0538, 23.1322



46.5402, 52.0538, 165.4168



76.9723, 52.0538, 32.3087

Complementary

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



31.6291, 52.0538, 23.1322



42.1332, 26.3539, 56.2936

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.



79.5726, 52.0538, 65.6965



31.6291, 52.0538, 23.1322



60.3277, 52.0538, 154.4657

Square

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



31.6291, 52.0538, 23.1322



35.6733, 52.0538, 138.3252



73.0202, 52.0538, 112.9002



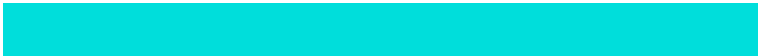
66.4451, 52.0538, 15.8277

Rectangle

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



31.6291, 52.0538, 23.1322



28.4757, 52.0538, 75.3030



73.0202, 52.0538, 112.9002



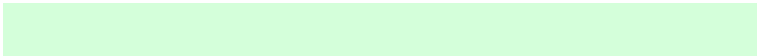
78.8720, 52.0538, 41.4086

Sweetspot

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



31.6304, 52.0560, 23.1334



75.4251, 90.5109, 79.6129



49.7607, 61.4994, 19.6041



15.7120, 19.1643, 16.3852



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.



31.6304, 52.0560, 23.1334



41.7943, 74.3317, 25.7161



36.0970, 53.8426, 46.6542



12.3322, 13.9239, 13.5638



14.6975, 29.1343, 5.7026



0.9098, 1.7666, 0.4665

Inverse Universe

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



42.1332, 26.3539, 56.2936



58.6278, 32.9947, 78.7584



36.5083, 24.1039, 26.6728



12.8751, 12.6015, 15.2826



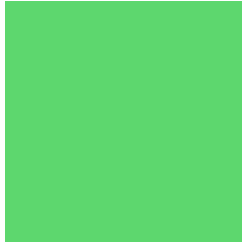
22.0316, 10.7490, 28.5343



1.3498, 0.6567, 1.8314

Previews

White Background



This preview shows how the XYZ color 31.6291, 52.0538, 23.1322 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 31.6291, 52.0538, 23.1322 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 31.6291, 52.0538, 23.1322

Background



This preview shows how black text looks on a background with the XYZ color 31.6291, 52.0538, 23.1322.

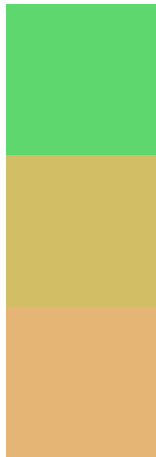


This preview shows how white text looks on a background with the XYZ color 31.6291, 52.0538,

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

31.6291, 52.0538, 23.1322

Protanopia

47.0569, 51.3218, 19.7379

Deuteranopia

52.1070, 51.0138, 24.2398



Tritanopia

41.8878, 51.8194, 74.8123

Trichromacy



Original Color

31.6291, 52.0538, 23.1322



Protanomaly

38.8585, 50.0618, 20.7115



Deuteranomaly

40.9869, 49.0810, 23.5330



Tritanomaly

36.8799, 51.1953, 50.5857

Monochromacy



Original Color

31.6291, 52.0538, 23.1322



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.1440, 41.9318, 33.5409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6291, 52.0538, 23.1322 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, 215, 110)` looks like.

```
.text, #text, p{  
    color:rgb(93, 215, 110)  
}
```

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, 215, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 215, 110) }
```

Border

The CSS property to change the border of an element to XYZ 31.6291, 52.0538, 23.1322 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, 215, 110) }
```


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

```
.border{ border-color:rgb(93, 215, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 215, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 215, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 215, 110);  
box-shadow:4px 4px 4px 4px rgb(93, 215,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6291, 52.0538, 23.1322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 215, 110) }
```

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

```
.background{ background-color: rgb(93, 215,  
110) }
```

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