

Converting Colors

XYZ(30.0615, 55.4974, 21.7836)

Have a look what the booklet for
XYZ(30.0615, 55.4974, 21.7836)
contains.

XYZ(30.1013, 55.6132, 21.7183)	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(30.1013, 55.6132,
21.7183)**

Conversions

Conversions Part 1

Format	Color
Hex	1DE266
RGB	29, 226, 102
RGB Percent	11%, 89%, 40%
CMY	0.8863, 0.1137, 0.6000
CMYK	0.87, 0.00, 0.55, 0.11
HSL	142°, 77%, 50%
HSV	142°, 87%, 89%
XYZ	30.1013, 55.6132, 21.7183
YIQ	152.9610, -77.6080, -80.3280

Conversions

Conversions Part 2

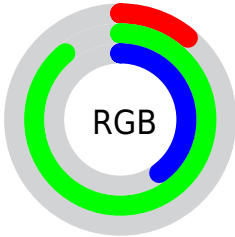
Format	Color
RYB	29, 173, 226
Decimal	1958502
CIELab	79.39, -70.36, 47.61
CIELCh	79, 84.959, 145.913
Yxy	55.6132, 0.2802, 0.5177
Android (android.graphics.Color)	4280148582 (0xFF1DE266)
YUV	152.9610, -25.1238, -108.7138
Hunter-Lab	74.5743, -58.4549, 34.9349

Details

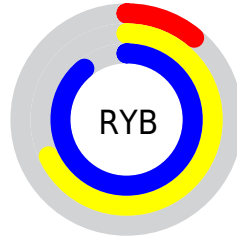
The XYZ color **30.1013, 55.6132, 21.7183** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **37.5548, 19.3483, 31.8941**, and the grayscale version is **30.3928, 31.9756, 34.8214**.

A 20% lighter version of the original color is **48.8310, 77.5651, 43.8504**, and **14.7637, 28.6062, 7.7610** is the 20% darker color. If you saturate the color by 10%, you get **29.0298, 55.1370, 18.2968**, and if you desaturate by 10%, it is **31.7590, 56.3807, 25.8017**.

Distribution



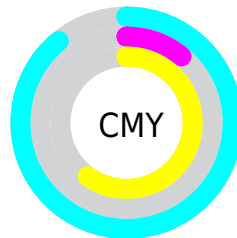
- Red (11%)
- Green (89%)
- Blue (40%)



- Red (11%)
- Yellow (68%)
- Blue (89%)



- Cyan (87%)
- Magenta (0%)
- Yellow (55%)
- Black (11%)





- Cyan (89%)
- Magenta (11%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1013, 55.6132, 21.7183 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 30.1013, 55.6132, 21.7183 by changing the saturation by 10% instead.


 30.1013, 55.6132,
21.7183


 30.1013, 55.6132,
21.7183


294.2777,
408.2322, 273.9770


 20.0639, 39.8929,
13.4537


 59.2079, 98.4388,
47.1762


 12.5501, 27.4550,
7.6073

 79.0078, 126.3129,
65.2065


 7.1943, 17.9153,
3.7606


 102.7926,
159.0070, 87.3293

 3.6313, 10.8892,
1.4949

 130.9277,
196.9056, 113.9629

 1.4958, 5.9924,
0.2142

 163.7784,
240.3930, 145.5259

 0.3229, 2.8404,
0.0000

201.7101,

 0.0000, 1.0490,

289.8536, 182.4369

0.0000

245.0880,
345.6719, 225.1144

■ 0.0000, 0.0000,
0.0000

■ 30.1013, 55.6132,
21.7183

■ 30.1013, 55.6132,
21.7183

■ 29.0298, 55.1370,
18.2968

■ 31.7590, 56.3807,
25.8017

■ 28.7878, 55.0310,
17.4404

■ 34.0971, 57.4828,
30.5777

■ 37.1927, 58.9600,
36.0792

■ 41.1108, 60.8455,
42.3358

■ 45.9093, 63.1684,
49.3751

■ 51.6407, 65.9552,
57.2235

■ 58.3529, 69.2302,
65.9060

■ 66.0908, 73.0161,
75.4464

■ 74.8963, 77.3340,
85.8678

Harmonies

Analogous

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



39.7938, 55.6132, 9.2923



30.1013, 55.6132, 21.7183



26.4495, 55.6132, 54.1093

Triad

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



30.1013, 55.6132, 21.7183



50.5579, 55.6132, 210.6622



88.1463, 55.6132, 28.1057

Complementary

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



30.1013, 55.6132, 21.7183



37.5548, 19.3483, 31.8941

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.



92.7394, 55.6132, 67.4897



30.1013, 55.6132, 21.7183



68.5095, 55.6132, 190.2453

Square

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



30.1013, 55.6132, 21.7183



36.5398, 55.6132, 176.2580



84.9033, 55.6132, 129.8388



73.4305, 55.6132, 11.3438

Rectangle

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



30.1013, 55.6132, 21.7183



27.1953, 55.6132, 90.0984



84.9033, 55.6132, 129.8388



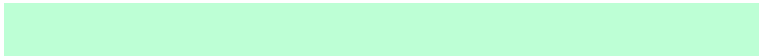
91.0444, 55.6132, 38.2964

Sweetspot

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



30.1027, 55.6155, 21.7196



68.7162, 87.1182, 76.3230



40.7020, 61.3311, 10.8555



14.1055, 18.3534, 15.5316



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.



30.1027, 55.6155, 21.7196



37.8025, 72.3370, 22.6758



38.0988, 58.8139, 63.8269



13.7377, 15.4208, 15.6542



16.4755, 31.4150, 10.2267



1.1843, 2.1944, 0.9314

Inverse Universe

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



37.5548, 19.3483, 31.8941



47.6297, 23.8159, 35.5778



32.5008, 17.3267, 5.2799



14.0683, 13.8450, 16.1300



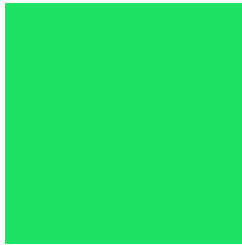
20.7487, 10.3665, 15.8744



1.4810, 0.7357, 1.3257

Previews

White Background



This preview shows how the XYZ color 30.1013, 55.6132, 21.7183 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 30.1013, 55.6132, 21.7183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

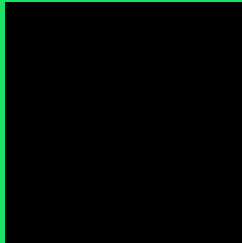
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.1013, 55.6132, 21.7183

Background



This preview shows how black text looks on a background with the XYZ color 30.1013, 55.6132, 21.7183.



This preview shows how white text looks on a background with the XYZ color 30.1013, 55.6132,

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

30.1013, 55.6132, 21.7183

Protanopia

49.7658, 54.4019, 18.0029

Deuteranopia

55.4646, 54.3146, 23.1832



Tritanopia

42.2400, 55.0754, 83.2673

Trichromacy



Original Color

30.1013, 55.6132, 21.7183



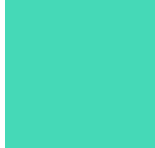
Protanomaly

36.3954, 51.2830, 19.0467



Deuteranomaly

38.3449, 50.4545, 22.1857



Tritanomaly

35.8143, 54.3098, 53.3950

Monochromacy



Original Color

30.1013, 55.6132, 21.7183



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.8087, 37.5519, 28.3895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1013, 55.6132, 21.7183 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(29, 226, 102)` looks like.

```
.text, #text, p{  
    color:rgb(29, 226, 102)  
}
```

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(29, 226, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 226, 102) }
```

Border

The CSS property to change the border of an element to XYZ 30.1013, 55.6132, 21.7183 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(29, 226, 102) }
```


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

```
.border{ border-color:rgb(29, 226, 102) }
```

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

Here you see how a box with a 4 pixel rgb(29, 226, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 226, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 226, 102);  
box-shadow:4px 4px 4px 4px rgb(29, 226,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1013, 55.6132, 21.7183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 226, 102) }
```

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

```
.background{ background-color: rgb(29, 226,  
102) }
```

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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