

Converting Colors

XYZ(30.1739, 55.2500, 21.1226)

Have a look what the booklet for
XYZ(30.1739, 55.2500, 21.1226)
contains.

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Color

**XYZ(30.1803, 55.2628,
21.1327)**

Conversions

Conversions Part 1

Format	Color
Hex	2AE164
RGB	42, 225, 100
RGB Percent	16%, 88%, 39%
CMY	0.8353, 0.1176, 0.6078
CMYK	0.81, 0.00, 0.56, 0.12
HSL	139°, 75%, 52%
HSV	139°, 81%, 88%
XYZ	30.1803, 55.2628, 21.1327
YIQ	156.0330, -68.9430, -77.6710

Conversions

Conversions Part 2

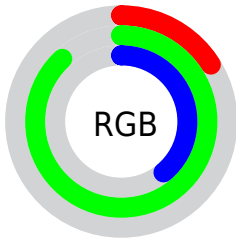
Format	Color
R _Y B	42, 181, 225
Decimal	2810212
CIE Lab	79.19, -69.20, 48.33
CIE LCh	79, 84.405, 145.070
Yxy	55.2628, 0.2832, 0.5185
Android (android.graphics.Color)	4281000292 (0xFF2AE164)
YUV	156.0330, -27.6243, -100.0069
Hunter-Lab	74.3390, -57.6253, 35.1826

Details

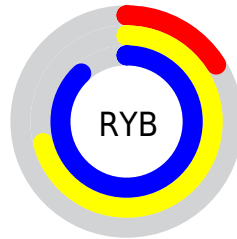
The XYZ color **30.1803, 55.2628, 21.1327** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **38.8559, 20.4544, 38.4606**, and the grayscale version is **31.7574, 33.4112, 36.3848**.

A 20% lighter version of the original color is **49.3385, 77.8462, 42.9973**, and **14.5157, 28.2105, 7.3694** is the 20% darker color. If you saturate the color by 10%, you get **28.8300, 54.6462, 17.5467**, and if you desaturate by 10%, it is **32.1895, 56.2059, 25.4845**.

Distribution



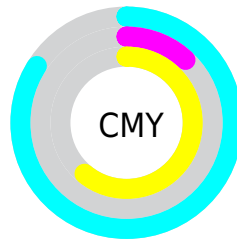
- Red (16%)
- Green (88%)
- Blue (39%)



- Red (16%)
- Yellow (71%)
- Blue (88%)



- Cyan (81%)
- Magenta (0%)
- Yellow (56%)
- Black (12%)





- Cyan (84%)
- Magenta (12%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1803, 55.2628, 21.1327 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 30.1803, 55.2628, 21.1327 by changing the saturation by 10% instead.


 30.1803, 55.2628,
21.1327


 30.1803, 55.2628,
21.1327


294.6387,
406.9073, 270.7871


 20.1242, 39.6122,
13.0288


 59.3319, 97.9259,
46.1919


 12.5942, 27.2363,
7.3175


 79.1581, 125.7071,
63.9844


 7.2248, 17.7508,
3.5800


 102.9717,
158.3007, 85.8435

 3.6506, 10.7712,
1.3979

 131.1381,
196.0910, 112.1877

 1.5064, 5.9132,
0.1401

 164.0227,
239.4624, 143.4357

 0.3302, 2.7924,
0.0000

201.9907,

 0.0000, 1.0243,

288.7994, 180.0058

0.0000

245.4076,
344.4862, 222.3168

■ 0.0000, 0.0000,
0.0000

■ 30.1803, 55.2628,
21.1327

■ 30.1803, 55.2628,
21.1327

■ 28.8300, 54.6462,
17.5467

■ 32.1895, 56.2059,
25.4845

■ 28.0737, 54.3116,
15.0177

■ 34.9363, 57.5107,
30.6403

■ 38.4920, 59.2146,
36.6401

■ 42.9180, 61.3486,
43.5198

■ 48.2696, 63.9405,
51.3136

■ 54.5974, 67.0157,
60.0534

■ 61.9481, 70.5977,
69.7699

■ 70.3654, 74.7084,
80.4922

■ 79.8906, 79.3685,
92.2483

Harmonies

Analogous

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



39.9532, 55.2628, 9.1717



30.1803, 55.2628, 21.1327



26.3973, 55.2628, 52.5406

Triad

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



30.1803, 55.2628, 21.1327



49.7887, 55.2628, 208.1447



87.6975, 55.2628, 28.7852

Complementary

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



30.1803, 55.2628, 21.1327



38.8559, 20.4544, 38.4606

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.



91.8915, 55.2628, 68.5083



30.1803, 55.2628, 21.1327



67.4924, 55.2628, 189.5125

Square

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



30.1803, 55.2628, 21.1327



36.0658, 55.2628, 172.8810



83.8348, 55.2628, 130.5150



73.3577, 55.2628, 11.6419

Rectangle

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



30.1803, 55.2628, 21.1327



27.0311, 55.2628, 87.6789



83.8348, 55.2628, 130.5150



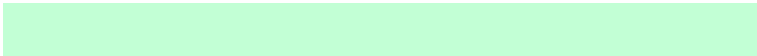
90.4547, 55.2628, 39.1190

Sweetspot

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



30.1817, 55.2651, 21.1340



69.9921, 87.7770, 76.3356



43.2919, 62.2411, 11.9227



14.3322, 18.4725, 15.4441



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.



30.1817, 55.2651, 21.1340



37.4360, 72.1978, 20.4126



37.3352, 58.1265, 58.8041



13.7069, 15.4085, 15.4916



16.2236, 31.3143, 8.9007



1.1642, 2.1864, 0.8260

Inverse Universe

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



38.8559, 20.4544, 38.4606



49.1116, 24.4972, 43.1083



33.1696, 18.1799, 8.5170



14.1005, 13.8578, 16.2993



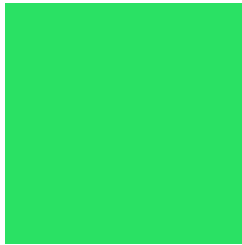
21.2945, 10.5848, 18.7485



1.5161, 0.7497, 1.5106

Previews

White Background



This preview shows how the XYZ color 30.1803, 55.2628, 21.1327 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 30.1803, 55.2628, 21.1327 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 30.1803, 55.2628, 21.1327

Background



This preview shows how black text looks on a background with the XYZ color 30.1803, 55.2628, 21.1327.



This preview shows how white text looks on a background with the XYZ color 30.1803, 55.2628,

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

30.1803, 55.2628, 21.1327

Protanopia

49.3849, 54.2155, 17.5346

Deuteranopia

55.1433, 53.8501, 22.5267



Tritanopia

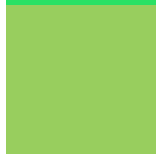
42.2610, 54.7325, 82.4658

Trichromacy



Original Color

30.1803, 55.2628, 21.1327



Protanomaly

37.0406, 51.6262, 18.6023



Deuteranomaly

39.0340, 50.4771, 21.5957



Tritanomaly

35.9799, 54.0256, 52.7876

Monochromacy



Original Color

30.1803, 55.2628, 21.1327



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.0380, 38.4702, 29.2403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1803, 55.2628, 21.1327 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(42, 225, 100)` looks like.

```
.text, #text, p{  
    color:rgb(42, 225, 100)  
}
```

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(42, 225, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 225, 100) }
```

Border

The CSS property to change the border of an element to XYZ 30.1803, 55.2628, 21.1327 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(42, 225, 100) }
```


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

```
.border{ border-color:rgb(42, 225, 100) }
```

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

Here you see how a box with a 4 pixel rgb(42, 225, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 225, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 225, 100);  
box-shadow:4px 4px 4px 4px rgb(42, 225,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1803, 55.2628, 21.1327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 225, 100) }
```

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

```
.background{ background-color: rgb(42, 225,  
100) }
```

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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