

Converting Colors

XYZ(30.6726, 56.6813, 25.2546)

Have a look what the booklet for
XYZ(30.6726, 56.6813, 25.2546)
contains.

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Color

**XYZ(30.7807, 56.7017,
25.2418)**

Conversions

Conversions Part 1

Format	Color
Hex	00E472
RGB	0, 228, 114
RGB Percent	0%, 89%, 45%
CMY	0.9999, 0.1059, 0.5529
CMYK	1.00, 0.00, 0.50, 0.11
HSL	150°, 100%, 45%
HSV	150°, 100%, 89%
XYZ	30.7807, 56.7017, 25.2418
YIQ	146.8320, -99.2940, -83.7900

Conversions

Conversions Part 2

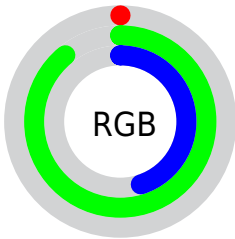
Format	Color
RYB	0, 152, 228
Decimal	58482
CIELab	80.01, -70.48, 42.68
CIElCh	80, 82.395, 148.806
Yxy	56.7017, 0.2731, 0.5030
Android (android.graphics.Color)	4278248562 (0xFF00E472)
YUV	146.8320, -16.1862, -128.7717
Hunter-Lab	75.3005, -58.8102, 32.8355

Details

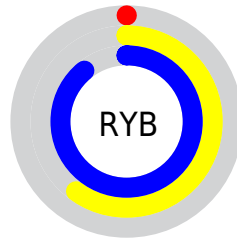
The XYZ color **30.7807, 56.7017, 25.2418** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **35.0346, 17.7103, 17.4968**, and the grayscale version is **27.7608, 29.2065, 31.8059**.

A 20% lighter version of the original color is **49.0122, 77.5353, 49.4284**, and **15.4601, 29.4847, 9.5789** is the 20% darker color. If you saturate the color by 10%, you get **30.7814, 56.7037, 25.2405**, and if you desaturate by 10%, it is **31.8212, 57.1599, 28.8935**.

Distribution



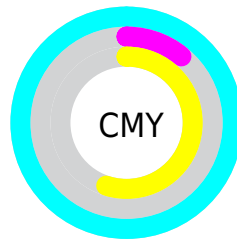
- Red (0%)
- Green (89%)
- Blue (45%)



- Red (0%)
- Yellow (60%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.7807, 56.7017, 25.2418 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 30.7807, 56.7017, 25.2418 by changing the saturation by 10% instead.


 30.7807, 56.7017,
25.2418


 30.7807, 56.7017,
25.2418


297.3717,
412.3306, 292.5261


 20.5829, 40.7658,
16.0366


 60.2728, 100.0298,
53.0182


 12.9302, 28.1361,
9.3954


 80.2979, 128.1908,
72.4265


 7.4572, 18.4283,
4.8997


 104.3294,
161.1956, 96.0730

 3.7985, 11.2579,
2.1308

 132.7328,
199.4286, 124.3761

 1.5888, 6.2406,
0.6340

 165.8734,
243.2742, 157.7544

 0.3851, 2.9919,
0.0000

204.1165,

 0.0000, 1.1275,

293.1168, 196.6265

0.0000

247.8274,
349.3408, 241.4109

■ 0.0000, 0.0013,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.7807, 56.7017,
25.2418

■ 30.7807, 56.7017,
25.2418

■ 30.7814, 56.7037,
25.2405

■ 31.8212, 57.1599,
28.8935

■ 33.3554, 57.8615,
33.0040

■ 35.5192, 58.8776,
37.5950

■ 38.3912, 60.2485,
42.6834

■ 42.0378, 62.0082,
48.2851

■ 46.5172, 64.1864,
54.4152

■ 51.8820, 66.8099,
61.0880

■ 58.1802, 69.9032,
68.3172

■ 65.4561, 73.4890,
76.1159

Harmonies

Analogous

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



39.8230, 56.7017, 11.0674



30.7807, 56.7017, 25.2418



27.6913, 56.7017, 59.8376

Triad

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



30.7807, 56.7017, 25.2418



53.2254, 56.7017, 207.3841



87.3071, 56.7017, 27.1191

Complementary

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



30.7807, 56.7017, 25.2418



35.0346, 17.7103, 17.4968

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.



92.9076, 56.7017, 63.6793



30.7807, 56.7017, 25.2418



70.9396, 56.7017, 182.8759

Square

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



30.7807, 56.7017, 25.2418



38.8810, 56.7017, 178.9428



86.3853, 56.7017, 122.8542



72.3440, 56.7017, 11.6893

Rectangle

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



30.7807, 56.7017, 25.2418



28.8038, 56.7017, 96.4813



86.3853, 56.7017, 122.8542



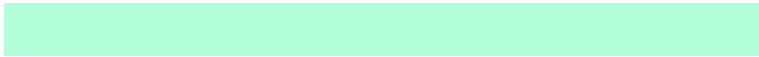
90.4686, 56.7017, 36.5330

Sweetspot

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



30.7821, 56.7040, 25.2431



66.7266, 86.0409, 78.5643



35.1900, 59.3272, 9.5971



13.6258, 18.0948, 16.0178



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.



30.7821, 56.7040, 25.2431



39.6229, 73.0652, 32.2618



41.2269, 60.8819, 80.2447



14.4883, 16.2088, 16.8364



17.8335, 32.7655, 14.8895



1.3647, 2.4400, 1.3472

Inverse Universe

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



35.0346, 17.7103, 17.4968



45.1040, 22.8056, 22.2775



32.0172, 16.5033, 1.6076



14.6761, 14.4876, 16.4945



20.2890, 10.2498, 10.4167



1.5462, 0.7762, 1.0167

Previews

White Background



This preview shows how the XYZ color 30.7807, 56.7017, 25.2418 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 30.7807, 56.7017, 25.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

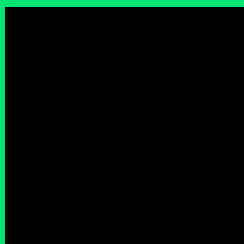
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.7807, 56.7017, 25.2418

Background



This preview shows how black text looks on a background with the XYZ color 30.7807, 56.7017, 25.2418.

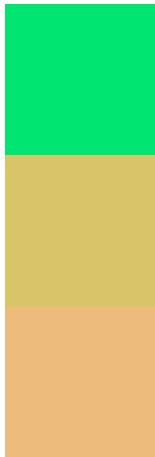


This preview shows how white text looks on a background with the XYZ color 30.7807, 56.7017,

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

30.7807, 56.7017, 25.2418

Protanopia

51.0297, 55.6635, 20.8865

Deuteranopia

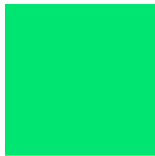
56.5464, 55.4262, 26.7868



Tritanopia

42.7964, 56.4533, 84.9849

Trichromacy



Original Color

30.7807, 56.7017, 25.2418



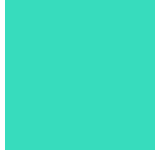
Protanomaly

35.6909, 51.5766, 21.9841



Deuteranomaly

37.5086, 50.6472, 25.5683



Tritanomaly

36.3541, 55.6727, 56.9740

Monochromacy



Original Color

30.7807, 56.7017, 25.2418



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.5146, 35.1796, 28.4200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7807, 56.7017, 25.2418 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(0, 228, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 114)  
}
```

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(0, 228, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 114) }
```

Border

The CSS property to change the border of an element to XYZ 30.7807, 56.7017, 25.2418 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(0, 228, 114) }
```


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

```
.border{ border-color:rgb(0, 228, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7807, 56.7017, 25.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 114) }
```

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

```
.background{ background-color: rgb(0, 228,  
114) }
```

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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