

Converting Colors

XYZ(30.2792, 47.1581, 22.2200)

Have a look what the booklet for
XYZ(30.2792, 47.1581, 22.2200)
contains.

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Color

**XYZ(30.1143, 46.9018,
22.2176)**

Conversions

Conversions Part 1

Format	Color
Hex	6ACB6E
RGB	106, 203, 110
RGB Percent	42%, 80%, 43%
CMY	0.5843, 0.2039, 0.5686
CMYK	0.48, 0.00, 0.46, 0.20
HSL	122°, 48%, 61%
HSV	122°, 48%, 80%
XYZ	30.1143, 46.9018, 22.2176
YIQ	163.3950, -27.9590, -49.4870

Conversions

Conversions Part 2

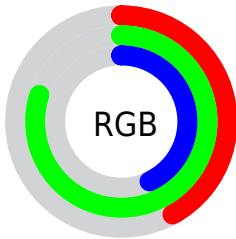
Format	Color
RYB	106, 199, 203
Decimal	6998894
CIELab	74.13, -47.61, 37.65
CIELCh	74, 60.699, 141.668
Yxy	46.9018, 0.3035, 0.4726
Android (android.graphics.Color)	4285188974 (0xFF6ACB6E)
YUV	163.3950, -26.3237, -50.3354
Hunter-Lab	68.4849, -41.3582, 28.7048

Details

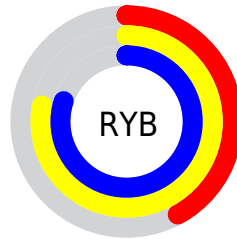
The XYZ color **30.1143, 46.9018, 22.2176** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.0929, 27.1291, 57.1578**, and the grayscale version is **35.1308, 36.9603, 40.2498**.

A 20% lighter version of the original color is **57.4751, 81.9509, 47.4392**, and **12.5778, 22.1104, 7.8798** is the 20% darker color. If you saturate the color by 10%, you get **27.0356, 45.4253, 17.1367**, and if you desaturate by 10%, it is **33.9991, 48.7697, 28.5530**.

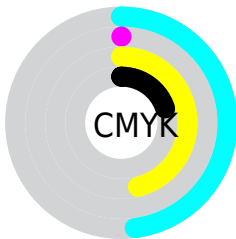
Distribution



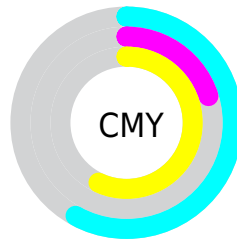
- Red (42%)
- Green (80%)
- Blue (43%)



- Red (42%)
- Yellow (78%)
- Blue (80%)



- Cyan (48%)
- Magenta (0%)
- Yellow (46%)
- Black (20%)





- Cyan (58%)
- Magenta (20%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1143, 46.9018, 22.2176 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 30.1143, 46.9018, 22.2176 by changing the saturation by 10% instead.


 30.1143, 46.9018,
22.2176


 30.1143, 46.9018,
22.2176


294.3371,
374.4224, 276.6710


 20.0739, 32.9580,
13.8170


 59.2283, 85.5670,
48.0122


 12.5573, 22.0943,
7.8562


 79.0325, 111.0573,
66.2433

 7.1993, 13.9262,
3.9166


 102.8221,
141.1651, 88.5883

 3.6345, 8.0694,
1.5797

 130.9623,
176.2750, 115.4657

 1.4975, 4.1394,
0.2763

163.8186,
216.7713, 147.2942

 0.3241, 1.7518,
0.0000

201.7563,

 0.0000, 0.4569,

263.0383, 184.4922

0.0000

245.1407,
315.4606, 227.4783

■ 0.0000, 0.0000,
0.0000

■ 30.1143, 46.9018,
22.2176

■ 30.1143, 46.9018,
22.2176

■ 27.0356, 45.4253,
17.1367

■ 33.9991, 48.7697,
28.5530

■ 24.7032, 44.3071,
13.2242

■ 38.7373, 51.0476,
36.2154

■ 23.0546, 43.5183,
10.3881


■ 44.3770, 53.7603,
45.2752


■ 22.0156, 43.0229,
8.5211


■ 50.9615, 56.9286,
55.7972


■ 21.4838, 42.7710,
7.4936

■ 58.5312, 60.5722,
67.8420

 21.4027, 42.7320,
7.3605

 67.1244, 64.7095,
81.4669

 76.7772, 69.3580,
96.7259

 80.6468, 71.1937,
104.0989

Harmonies

Analogous

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



37.2999, 46.9018, 13.1988



30.1143, 46.9018, 22.2176



26.9351, 46.9018, 42.8778

Triad

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



30.1143, 46.9018, 22.2176



41.6188, 46.9018, 136.1145



66.9544, 46.9018, 32.0055

Complementary

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



30.1143, 46.9018, 22.2176



40.0929, 27.1291, 57.1578

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.



68.6152, 46.9018, 60.2401



30.1143, 46.9018, 22.2176



52.7478, 46.9018, 129.3161

Square

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



30.1143, 46.9018, 22.2176



32.8341, 46.9018, 113.8651



63.0612, 46.9018, 97.9028



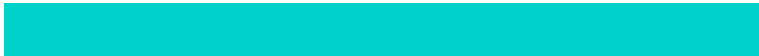
58.8352, 46.9018, 17.0394

Rectangle

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



30.1143, 46.9018, 22.2176



27.0863, 46.9018, 64.1524



63.0612, 46.9018, 97.9028



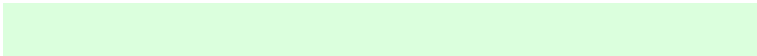
68.3340, 46.9018, 39.8961

Sweetspot

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



30.1155, 46.9038, 22.2186



78.0846, 91.8350, 81.8582



47.7166, 56.0021, 21.9306



16.2163, 19.4173, 16.7258



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.



30.1155, 46.9038, 22.2186



45.2787, 76.0653, 28.7107



33.4497, 48.2375, 39.7765



11.0865, 12.5443, 12.0129



13.6283, 27.1966, 4.7275



0.7098, 1.4057, 0.2792

Inverse Universe

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



40.0929, 27.1291, 57.1578



63.8779, 39.1763, 93.8214



35.3916, 25.2485, 32.4010



11.6668, 11.3954, 14.0459



21.9240, 10.5802, 33.6481



1.1374, 0.5484, 1.7693

Previews

White Background



This preview shows how the XYZ color 30.1143, 46.9018, 22.2176 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 30.1143, 46.9018, 22.2176 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 30.1143, 46.9018, 22.2176

Background



This preview shows how black text looks on a background with the XYZ color 30.1143, 46.9018, 22.2176.



This preview shows how white text looks on a background with the XYZ color 30.1143, 46.9018,

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

30.1143, 46.9018, 22.2176

Protanopia

42.4753, 46.1492, 19.2394

Deuteranopia

47.0679, 46.0769, 23.2426



Tritanopia

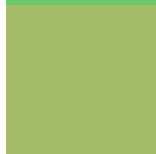
38.8645, 46.7163, 66.0003

Trichromacy



Original Color

30.1143, 46.9018, 22.2176



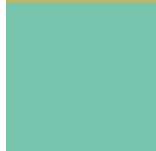
Protanomaly

36.2644, 45.4144, 20.2191



Deuteranomaly

38.3092, 44.8430, 22.5560



Tritanomaly

34.7941, 46.3804, 46.1482

Monochromacy



Original Color

30.1143, 46.9018, 22.2176



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.1098, 39.6052, 32.3378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1143, 46.9018, 22.2176 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(106, 203, 110)` looks like.

```
.text, #text, p{  
    color:rgb(106, 203, 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(106, 203, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 203, 110) }
```

Border

The CSS property to change the border of an element to XYZ 30.1143, 46.9018, 22.2176 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(106, 203, 110) }
```


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

```
.border{ border-color:rgb(106, 203, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 203, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 203, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 203, 110);  
box-shadow:4px 4px 4px 4px rgb(106, 203,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1143, 46.9018, 22.2176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 203, 110) }
```

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

```
.background{ background-color: rgb(106,  
203, 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](#).

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