

Converting Colors

XYZ(28.7456, 46.0898, 27.0794)

Have a look what the booklet for
XYZ(28.7456, 46.0898, 27.0794)
contains.

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Color

**XYZ(28.7780, 46.1030,
27.1207)**

Conversions

Conversions Part 1

Format	Color
Hex	54CB7E
RGB	84, 203, 126
RGB Percent	33%, 80%, 49%
CMY	0.6706, 0.2039, 0.5059
CMYK	0.59, 0.00, 0.38, 0.20
HSL	141°, 53%, 56%
HSV	141°, 59%, 80%
XYZ	28.7780, 46.1030, 27.1207
YIQ	158.6410, -46.2070, -49.1750

Conversions

Conversions Part 2

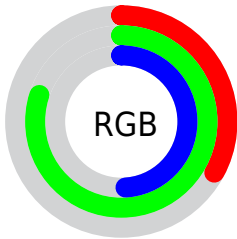
Format	Color
RYB	84, 172, 203
Decimal	5557118
CIELab	73.61, -50.51, 28.67
CIELCh	74, 58.081, 150.425
Yxy	46.1030, 0.2821, 0.4520
Android (android.graphics.Color)	4283747198 (0xFF54CB7E)
YUV	158.6410, -16.0920, -65.4602
Hunter-Lab	67.8992, -43.1692, 23.8475

Details

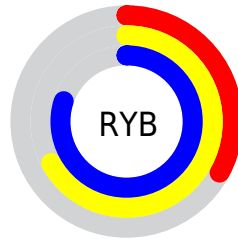
The XYZ color **28.7780, 46.1030, 27.1207** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **34.2334, 21.6114, 36.0870**, and the grayscale version is **32.8780, 34.5902, 37.6687**.

A 20% lighter version of the original color is **55.2244, 80.6143, 55.2973**, and **11.8944, 21.7016, 10.3994** is the 20% darker color. If you saturate the color by 10%, you get **26.4249, 44.9828, 22.8733**, and if you desaturate by 10%, it is **31.7712, 47.5429, 31.9811**.

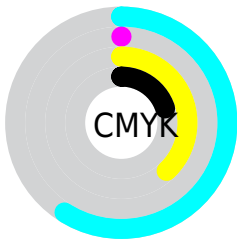
Distribution



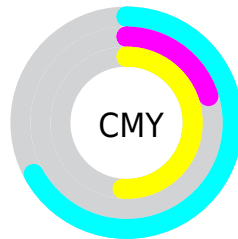
- Red (33%)
- Green (80%)
- Blue (49%)



- Red (33%)
- Yellow (67%)
- Blue (80%)



- Cyan (59%)
- Magenta (0%)
- Yellow (38%)
- Black (20%)




- Cyan (67%)
- Magenta (20%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7780, 46.1030, 27.1207 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 28.7780, 46.1030, 27.1207 by changing the saturation by 10% instead.


 28.7780, 46.1030,
27.1207


 28.7780, 46.1030,
27.1207


288.1792,
371.2226, 302.0197


 19.0564, 32.3271,
17.4307


 57.1242, 84.3731,
56.0836


 11.8153, 21.6115,
10.3768


 76.4795, 109.6361,
76.1935

 6.6893, 13.5717,
5.5406


 99.7767, 139.4970,
100.6138

 3.3132, 7.8234,
2.5036

 127.3812,
174.3401, 129.7630

 1.3215, 3.9821,
0.8421

159.6583,
214.5498, 164.0596

 0.1992, 1.6636,
0.0000

196.9735,

 0.0000, 0.3999,

260.5105, 203.9223

0.0000

239.6920,
312.6066, 249.7694

■ 0.0000, 0.0000,
0.0000

■ 28.7780, 46.1030,
27.1207

■ 28.7780, 46.1030,
27.1207

■ 26.4249, 44.9828,
22.8733

■ 31.7712, 47.5429,
31.9811

■ 24.6572, 44.1508,
19.2108

■ 35.4463, 49.3197,
37.4748

■ 23.4163, 43.5784,
16.1077

■ 39.8457, 51.4560,
43.6248

■ 22.6097, 43.2188,
13.5340

■ 45.0069, 53.9710,
50.4521

■ 22.5150, 43.1768,
13.2181

■ 50.9652, 56.8823,
57.9769

■ 57.7534, 60.2063,
66.2182

■ 65.4022, 63.9587,
75.1946

■ 73.9412, 68.1542,
84.9238

■ 78.9598, 70.5187,
95.2152

Harmonies

Analogous

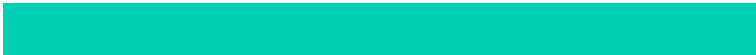
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.5520, 46.1030, 15.4965



28.7780, 46.1030, 27.1207



26.8761, 46.1030, 50.6198

Triad

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



28.7780, 46.1030, 27.1207



43.9664, 46.1030, 130.7555



63.1702, 46.1030, 26.6407

Complementary

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



28.7780, 46.1030, 27.1207



34.2334, 21.6114, 36.0870

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.



66.7074, 46.1030, 49.7792



28.7780, 46.1030, 27.1207



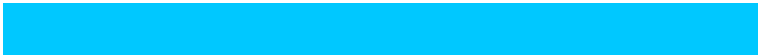
54.6116, 46.1030, 116.5477

Square

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



28.7780, 46.1030, 27.1207



34.7694, 46.1030, 117.2861



63.3576, 46.1030, 83.6443



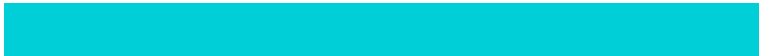
54.3177, 46.1030, 15.3054

Rectangle

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



28.7780, 46.1030, 27.1207



27.7829, 46.1030, 72.6604



63.3576, 46.1030, 83.6443



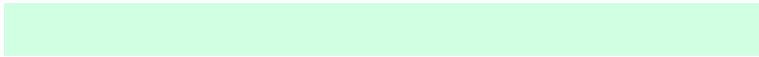
65.0769, 46.1030, 32.9201

Sweetspot

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



28.7792, 46.1049, 27.1217



75.7144, 90.5425, 84.9347



37.7263, 50.9675, 16.2373



15.6282, 19.0980, 17.4295



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.



28.7792, 46.1049, 27.1217



43.4771, 74.9558, 36.7942



33.7863, 48.1077, 53.4889



11.2288, 12.6013, 12.7625



14.3673, 27.4922, 8.6192



0.7770, 1.4326, 0.6335

Inverse Universe

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



34.2334, 21.6114, 36.0870



53.3735, 30.3039, 52.9057



30.1910, 19.9944, 14.8001



11.5129, 11.3339, 13.2354



18.3406, 9.1468, 14.7780



0.9814, 0.4860, 0.9477

Previews

White Background



This preview shows how the XYZ color 28.7780, 46.1030, 27.1207 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 28.7780, 46.1030, 27.1207 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 28.7780, 46.1030, 27.1207

Background



This preview shows how black text looks on a background with the XYZ color 28.7780, 46.1030, 27.1207.



This preview shows how white text looks on a background with the XYZ color 28.7780, 46.1030,

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

28.7780, 46.1030, 27.1207

Protanopia

41.7782, 45.1033, 23.0269

Deuteranopia

46.1375, 45.1956, 28.4822



Tritanopia

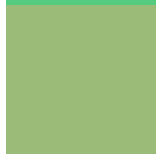
36.7629, 45.9315, 67.2497

Trichromacy



Original Color

28.7780, 46.1030, 27.1207



Protanomaly

34.8910, 44.2911, 24.4794



Deuteranomaly

36.4798, 43.4780, 27.5885



Tritanomaly

33.2485, 45.8398, 49.7434

Monochromacy



Original Color

28.7780, 46.1030, 27.1207



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.1122, 37.6721, 33.2881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7780, 46.1030, 27.1207 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(84, 203, 126)` looks like.

```
.text, #text, p{  
    color:rgb(84, 203, 126)  
}
```

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(84, 203, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 203, 126) }
```

Border

The CSS property to change the border of an element to XYZ 28.7780, 46.1030, 27.1207 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(84, 203, 126) }
```


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

```
.border{ border-color:rgb(84, 203, 126) }
```

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

Here you see how a box with a 4 pixel rgb(84, 203, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 203, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 203, 126);  
box-shadow:4px 4px 4px 4px rgb(84, 203,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7780, 46.1030, 27.1207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 203, 126) }
```

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

```
.background{ background-color: rgb(84, 203,  
126) }
```

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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