

Converting Colors

XYZ(28.7240, 47.3527, 17.6598)

Have a look what the booklet for
XYZ(28.7240, 47.3527, 17.6598)
contains.

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Color

**XYZ(28.7224, 47.3482,
17.7505)**

Conversions

Conversions Part 1

Format	Color
Hex	5FCE5C
RGB	95, 206, 92
RGB Percent	37%, 81%, 36%
CMY	0.6274, 0.1921, 0.6392
CMYK	0.54, 0.00, 0.55, 0.19
HSL	118°, 54%, 58%
HSV	118°, 55%, 81%
XYZ	28.7224, 47.3482, 17.7505
YIQ	159.8150, -29.5620, -58.9860

Conversions

Conversions Part 2

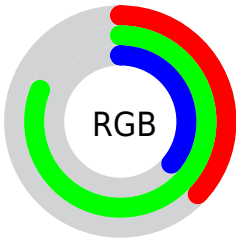
Format	Color
RYB	92, 206, 203
Decimal	6278748
CIELab	74.41, -54.18, 46.63
CIELCh	74, 71.478, 139.284
Yxy	47.3482, 0.3061, 0.5047
Android (android.graphics.Color)	4284468828 (0xFF5FCE5C)
YUV	159.8150, -33.4328, -56.8428
Hunter-Lab	68.8100, -45.9088, 32.8723

Details

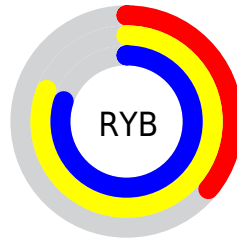
The XYZ color **28.7224, 47.3482, 17.7505** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **39.5988, 24.8086, 61.0965**, and the grayscale version is **33.4883, 35.2323, 38.3680**.

A 20% lighter version of the original color is **54.1973, 80.4344, 39.4570**, and **11.8505, 22.4931, 5.7245** is the 20% darker color. If you saturate the color by 10%, you get **26.1197, 46.0981, 13.5504**, and if you desaturate by 10%, it is **32.1087, 48.9767, 23.2672**.

Distribution



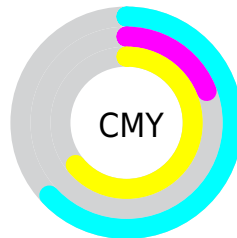
- Red (37%)
- Green (81%)
- Blue (36%)



- Red (36%)
- Yellow (81%)
- Blue (80%)



- Cyan (54%)
- Magenta (0%)
- Yellow (55%)
- Black (19%)



- Cyan (63%)
- Magenta (19%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7224, 47.3482, 17.7505 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 28.7224, 47.3482, 17.7505 by changing the saturation by 10% instead.

■ 28.7224, 47.3482,
17.7505

■ 28.7224, 47.3482,
17.7505

287.9208,
376.2027, 251.6497

■ 19.0141, 33.3110,
10.6034

■ 57.0364, 86.2331,
40.4199

■ 11.7846, 22.3648,
5.6900

■ 76.3728, 111.8497,
56.7793

■ 6.6683, 14.1252,
2.5918

■ 99.6493, 142.0948,
77.0466

■ 3.3000, 8.2078,
0.8882

■ 127.2313,
177.3529, 101.6402

■ 1.3143, 4.2282,
0.0000

159.4840,
218.0083, 130.9788

■ 0.1939, 1.8020,
0.0000

196.7730,

■ 0.0000, 0.4884,

264.4455, 165.4809

0.0000

239.4634,
317.0488, 205.5650

■ 0.0000, 0.0000,
0.0000

■ 28.7224, 47.3482,
17.7505

■ 28.7224, 47.3482,
17.7505

■ 26.1197, 46.0981,
13.5504

■ 32.1087, 48.9767,
23.2672

■ 24.2346, 45.1907,
10.5546

■ 36.3307, 51.0043,
30.1942

■ 22.9964, 44.5935,
8.6372

■ 41.4402, 53.4571,
38.6206

■ 22.3181, 44.2651,
7.6435

■ 47.4839, 56.3575,
48.6270

■ 22.1400, 44.1794,
7.3606

■ 54.5050, 59.7262,
60.2884

■ 62.5441, 63.5825,
73.6749

■ 71.6396, 67.9449,
88.8527

■ 81.3622, 72.6245,
104.3374

Harmonies

Analogous

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



37.3105, 47.3482, 9.4068



28.7224, 47.3482, 17.7505



24.7935, 47.3482, 39.4596

Triad

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



28.7224, 47.3482, 17.7505



40.5538, 47.3482, 157.3460



72.6566, 47.3482, 31.5009

Complementary

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



28.7224, 47.3482, 17.7505



39.5988, 24.8086, 61.0965

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.



73.9823, 47.3482, 65.8974



28.7224, 47.3482, 17.7505



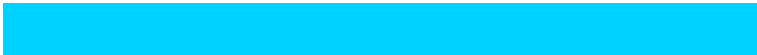
53.6863, 47.3482, 151.6465

Square

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



28.7224, 47.3482, 17.7505



30.7055, 47.3482, 126.1533



66.5022, 47.3482, 113.0323



63.1659, 47.3482, 14.3187

Rectangle

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



28.7224, 47.3482, 17.7505



24.7213, 47.3482, 63.8624



66.5022, 47.3482, 113.0323



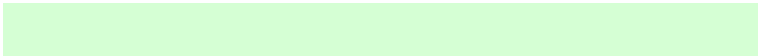
74.1321, 47.3482, 40.9386

Sweetspot

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



28.7236, 47.3502, 17.7516



74.9792, 90.3706, 75.5476



48.5550, 56.2319, 18.4207



15.6082, 19.1317, 15.4405



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.



28.7236, 47.3502, 17.7516



41.7948, 74.4338, 21.1170



31.6127, 48.4706, 34.5600



11.0949, 12.5508, 11.9172



13.6454, 27.2098, 4.5328



0.7137, 1.4088, 0.2343

Inverse Universe

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



39.5988, 24.8086, 61.0965



61.0645, 34.4182, 98.0327



35.0157, 23.0706, 32.6595



11.6573, 11.3881, 14.1541



21.6370, 10.3618, 36.8159



1.1256, 0.5394, 1.8997

Previews

White Background



This preview shows how the XYZ color 28.7224, 47.3482, 17.7505 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 28.7224, 47.3482, 17.7505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

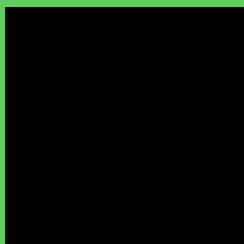
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7224, 47.3482, 17.7505

Background



This preview shows how black text looks on a background with the XYZ color 28.7224, 47.3482, 17.7505.

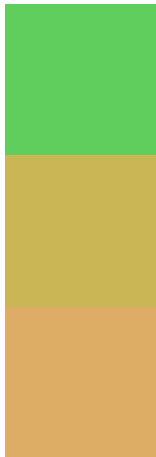


This preview shows how white text looks on a background with the XYZ color 28.7224, 47.3482,

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

28.7224, 47.3482, 17.7505

Protanopia

42.6853, 46.6525, 15.1426

Deuteranopia

47.4167, 46.3563, 18.7605



Tritanopia

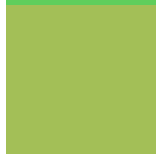
38.6856, 47.2520, 67.4032

Trichromacy



Original Color

28.7224, 47.3482, 17.7505



Protanomaly

35.4554, 45.7363, 15.9761



Deuteranomaly

37.4581, 44.8099, 18.2302



Tritanomaly

33.7591, 46.5861, 43.2891

Monochromacy



Original Color

28.7224, 47.3482, 17.7505



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.2487, 38.4278, 28.7447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7224, 47.3482, 17.7505 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(95, 206, 92)` looks like.

```
.text, #text, p{  
    color:rgb(95, 206, 92)  
}
```

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(95, 206, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 206, 92) }
```

Border

The CSS property to change the border of an element to XYZ 28.7224, 47.3482, 17.7505 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(95, 206, 92) }
```


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

```
.border{ border-color:rgb(95, 206, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 206, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 206, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 206, 92);  
box-shadow:4px 4px 4px 4px rgb(95, 206,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7224, 47.3482, 17.7505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 206, 92) }
```

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

```
.background{ background-color: rgb(95, 206,  
92) }
```

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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