

Converting Colors

XYZ(28.7901, 47.7338, 25.4204)

Have a look what the booklet for
XYZ(28.7901, 47.7338, 25.4204)
contains.

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Color

**XYZ(28.6835, 47.5182,
25.4295)**

Conversions

Conversions Part 1

Format	Color
Hex	4CCF78
RGB	76, 207, 120
RGB Percent	30%, 81%, 47%
CMY	0.7020, 0.1882, 0.5294
CMYK	0.63, 0.00, 0.42, 0.19
HSL	140°, 58%, 55%
HSV	140°, 63%, 81%
XYZ	28.6835, 47.5182, 25.4295
YIQ	157.9130, -50.1490, -54.8290

Conversions

Conversions Part 2

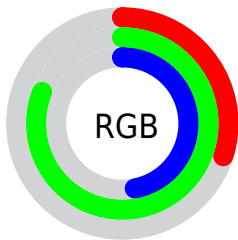
Format	Color
RYB	76, 174, 207
Decimal	5033848
CIELab	74.52, -54.79, 32.90
CIELCh	75, 63.915, 149.016
Yxy	47.5182, 0.2822, 0.4676
Android (android.graphics.Color)	4283223928 (0xFF4CCF78)
YUV	157.9130, -18.6911, -71.8377
Hunter-Lab	68.9334, -46.3589, 26.3814

Details

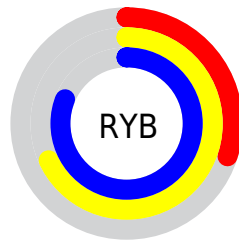
The XYZ color **28.6835, 47.5182, 25.4295** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **34.9289, 21.0796, 36.8797**, and the grayscale version is **32.5594, 34.2550, 37.3037**.

A 20% lighter version of the original color is **53.6194, 79.8555, 52.1228**, and **12.1721, 22.5754, 9.5103** is the 20% darker color. If you saturate the color by 10%, you get **26.5207, 46.4941, 21.2818**, and if you desaturate by 10%, it is **31.4975, 48.8668, 30.2351**.

Distribution



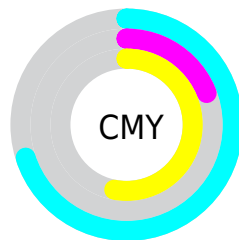
- Red (30%)
- Green (81%)
- Blue (47%)



- Red (30%)
- Yellow (68%)
- Blue (81%)



- Cyan (63%)
- Magenta (0%)
- Yellow (42%)
- Black (19%)



- Cyan (70%)
- Magenta (19%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6835, 47.5182, 25.4295 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 28.6835, 47.5182, 25.4295 by changing the saturation by 10% instead.

■ 28.6835, 47.5182,
25.4295

■ 28.6835, 47.5182,
25.4295

287.7399,
376.8792, 293.4860

■ 18.9846, 33.4455,
16.1754

■ 56.9749, 86.4866,
53.3259

■ 11.7631, 22.4679,
9.4927

■ 76.2981, 112.1511,
72.8052

■ 6.6536, 14.2011,
4.9627

■ 99.5601, 142.4484,
96.5301

■ 3.2908, 8.2607,
2.1670

■ 127.1263,
177.7627, 124.9190

■ 1.3094, 4.2622,
0.6553

159.3620,
218.4786, 158.3906

■ 0.1902, 1.8213,
0.0000

196.6326,

■ 0.0000, 0.5004,

264.9803, 197.3632

0.0000

239.3035,
317.6524, 242.2555

■ 0.0000, 0.0000,
0.0000

■ 28.6835, 47.5182,
25.4295

■ 28.6835, 47.5182,
25.4295

■ 26.5207, 46.4941,
21.2818

■ 31.4975, 48.8668,
30.2351

■ 24.9474, 45.7594,
17.7595

■ 35.0097, 50.5596,
35.7228

■ 23.8958, 45.2810,
14.8320

■ 39.2667, 52.6214,
41.9191

■ 23.4043, 45.0637,
13.1811

■ 44.3101, 55.0732,
48.8486

■ 50.1780, 57.9342,
56.5343

■ 56.9064, 61.2224,
64.9985

■ 64.5287, 64.9547,
74.2622

■ 73.0769, 69.1471,
84.3458

■ 79.8420, 72.4027,
95.1409

Harmonies

Analogous

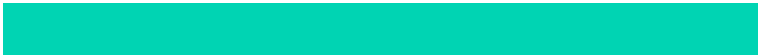
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2315, 47.5182, 13.6826



28.6835, 47.5182, 25.4295



26.4088, 47.5182, 50.6549

Triad

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



28.6835, 47.5182, 25.4295



44.7844, 47.5182, 144.8722



67.4874, 47.5182, 26.6257

Complementary

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



28.6835, 47.5182, 25.4295



34.9289, 21.0796, 36.8797

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.



71.1900, 47.5182, 52.8389



28.6835, 47.5182, 25.4295



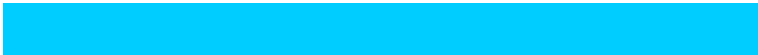
56.8086, 47.5182, 129.6107

Square

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



28.6835, 47.5182, 25.4295



34.6749, 47.5182, 127.6070



66.9903, 47.5182, 91.8471



57.5816, 47.5182, 14.1374

Rectangle

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



28.6835, 47.5182, 25.4295



27.2625, 47.5182, 75.3373



66.9903, 47.5182, 91.8471



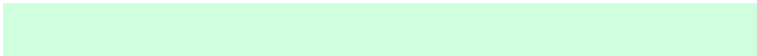
69.5664, 47.5182, 33.6685

Sweetspot

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



28.6847, 47.5201, 25.4306



74.6620, 90.0389, 83.1313



38.7916, 52.9714, 15.0179



15.4181, 18.9979, 17.0486



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.



28.6847, 47.5201, 25.4306



41.4816, 74.0324, 31.9413



34.0693, 49.6740, 53.7855



11.8178, 13.2709, 13.3968



14.7849, 28.4069, 8.5133



0.8633, 1.6030, 0.6689

Inverse Universe

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



34.9289, 21.0796, 36.8797



52.2036, 28.3325, 51.3793



30.5146, 19.3139, 13.6343



12.1350, 11.9387, 13.9866



19.1243, 9.5226, 16.0928



1.1054, 0.5469, 1.0901

Previews

White Background



This preview shows how the XYZ color 28.6835, 47.5182, 25.4295 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 28.6835, 47.5182, 25.4295 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 28.6835, 47.5182, 25.4295

Background



This preview shows how black text looks on a background with the XYZ color 28.6835, 47.5182, 25.4295.

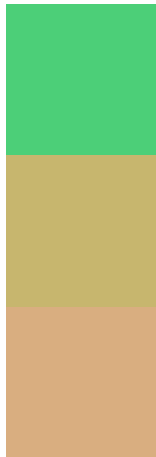


This preview shows how white text looks on a background with the XYZ color 28.6835, 47.5182,

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

28.6835, 47.5182, 25.4295

Protanopia

43.0956, 46.7238, 21.4991

Deuteranopia

47.6476, 46.5823, 26.9021



Tritanopia

37.3325, 47.1764, 69.4257

Trichromacy



Original Color

28.6835, 47.5182, 25.4295



Protanomaly

34.9945, 45.3465, 22.8279



Deuteranomaly

36.9865, 44.7055, 26.0817



Tritanomaly

33.4071, 46.9429, 49.9480

Monochromacy



Original Color

28.6835, 47.5182, 25.4295



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.4615, 37.6535, 32.1006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6835, 47.5182, 25.4295 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(76, 207, 120)` looks like.

```
.text, #text, p{  
    color:rgb(76, 207, 120)  
}
```

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(76, 207, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 207, 120) }
```

Border

The CSS property to change the border of an element to XYZ 28.6835, 47.5182, 25.4295 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(76, 207, 120) }
```


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

```
.border{ border-color:rgb(76, 207, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 207, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 207, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 207, 120);  
box-shadow:4px 4px 4px 4px rgb(76, 207,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6835, 47.5182, 25.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 207, 120) }
```

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

```
.background{ background-color: rgb(76, 207,  
120) }
```

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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