

Converting Colors

XYZ(28.7130, 46.2959, 34.6303)

Have a look what the booklet for
XYZ(28.7130, 46.2959, 34.6303)
contains.

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Color

**XYZ(28.7056, 46.2532,
34.6089)**

Conversions

Conversions Part 1

Format	Color
Hex	3DCC92
RGB	61, 204, 146
RGB Percent	24%, 80%, 57%
CMY	0.7608, 0.2000, 0.4274
CMYK	0.70, 0.00, 0.28, 0.20
HSL	156°, 58%, 52%
HSV	156°, 70%, 80%
XYZ	28.7056, 46.2532, 34.6089
YIQ	154.6310, -66.6100, -48.3540

Conversions

Conversions Part 2

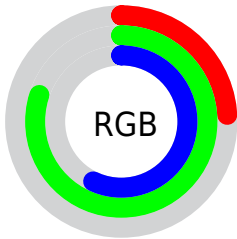
Format	Color
RYB	61, 151, 204
Decimal	4050066
CIELab	73.71, -51.21, 18.18
CIElCh	74, 54.346, 160.456
Yxy	46.2532, 0.2620, 0.4221
Android (android.graphics.Color)	4282240146 (0xFF3DCC92)
YUV	154.6310, -4.2551, -82.1144
Hunter-Lab	68.0097, -43.6755, 17.4352

Details

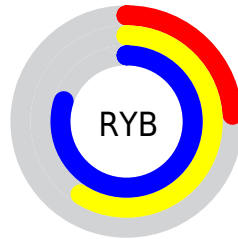
The XYZ color **28.7056, 46.2532, 34.6089** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.9018, 17.5077, 19.2576**, and the grayscale version is **31.0330, 32.6492, 35.5549**.

A 20% lighter version of the original color is **54.7895, 80.1258, 67.2217**, and **12.8130, 22.3211, 14.4596** is the 20% darker color. If you saturate the color by 10%, you get **27.0601, 45.4778, 31.2933**, and if you desaturate by 10%, it is **30.8775, 47.2970, 38.1945**.

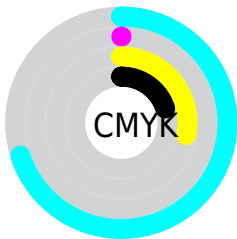
Distribution



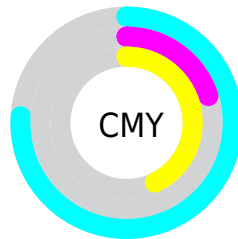
- Red (24%)
- Green (80%)
- Blue (57%)



- Red (24%)
- Yellow (59%)
- Blue (80%)



- Cyan (70%)
- Magenta (0%)
- Yellow (28%)
- Black (20%)





- Cyan (76%)
- Magenta (20%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7056, 46.2532, 34.6089 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 28.7056, 46.2532, 34.6089 by changing the saturation by 10% instead.

 28.7056, 46.2532,
34.6089


 28.7056, 46.2532,
34.6089


287.8427,
371.8257, 337.6903


 19.0014, 32.4457,
23.0806


 57.0098, 84.5978,
68.0241


 11.7753, 21.7021,
14.4472


 76.3405, 109.9037,
90.7482


 6.6620, 13.6382,
8.2901


 99.6108, 139.8111,
118.0412

 3.2960, 7.8695,
4.1907

 127.1859,
174.7045, 150.3218

 1.3122, 4.0115,
1.7305

 159.4314,
214.9683, 188.0084

 0.1923, 1.6800,
0.3815

196.7124,

 0.0000, 0.4107,

260.9868, 231.5197

0.0000

239.3944,
313.1445, 281.2742

■ 0.0000, 0.0000,
0.0000

■ 28.7056, 46.2532,
34.6089

■ 28.7056, 46.2532,
34.6089

■ 27.0601, 45.4778,
31.2933

■ 30.8775, 47.2970,
38.1945

■ 25.8790, 44.9354,
28.2365

■ 33.6217, 48.6291,
42.0540

■ 25.0608, 44.5743,
25.4553

■ 36.9827, 50.2736,
46.1954

■ 40.9998, 52.2506,
50.6252

■ 45.7087, 54.5784,
55.3497

■ 51.1426, 57.2741,
60.3747

■ 57.3322, 60.3533,
65.7061

■ 64.3067, 63.8311,
71.3496

■ 72.0936, 67.7216,
77.3104

Harmonies

Analogous

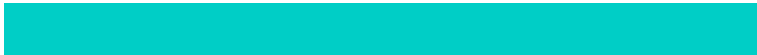
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.9983, 46.2532, 19.8056



28.7056, 46.2532, 34.6089



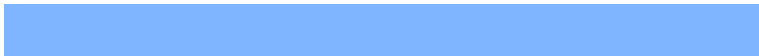
28.1373, 46.2532, 60.6237

Triad

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



28.7056, 46.2532, 34.6089



47.4129, 46.2532, 122.6818



59.6284, 46.2532, 23.1725

Complementary

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



28.7056, 46.2532, 34.6089



29.9018, 17.5077, 19.2576

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.



64.8259, 46.2532, 41.3288



28.7056, 46.2532, 34.6089



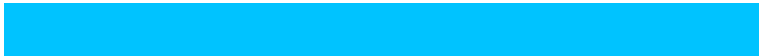
57.1200, 46.2532, 102.5165

Square

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



28.7056, 46.2532, 34.6089



38.0485, 46.2532, 118.7828



63.8462, 46.2532, 70.2895



50.4591, 46.2532, 15.0711

Rectangle

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



28.7056, 46.2532, 34.6089



29.8415, 46.2532, 82.3471



63.8462, 46.2532, 70.2895



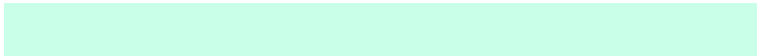
61.9546, 46.2532, 27.9614

Sweetspot

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



28.7068, 46.2550, 34.6100



74.7166, 89.8992, 90.7148



30.2635, 47.5596, 12.0002



15.5085, 19.0027, 18.9411



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.



28.7068, 46.2550, 34.6100



43.7455, 74.8189, 49.2400



31.6929, 43.0895, 63.7757



11.3432, 12.6470, 13.3646



15.8201, 28.0733, 16.2695



0.8532, 1.4631, 1.0342

Inverse Universe

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



29.9018, 17.5077, 19.2576



45.9013, 24.3822, 22.5990



28.1225, 17.9294, 6.3938



11.3978, 11.2878, 12.6292



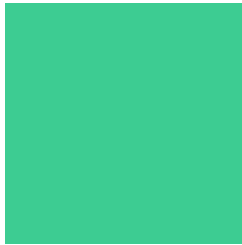
16.6935, 8.4880, 6.1048



0.8985, 0.4528, 0.5114

Previews

White Background



This preview shows how the XYZ color 28.7056, 46.2532, 34.6089 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 28.7056, 46.2532, 34.6089 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 28.7056, 46.2532, 34.6089

Background



This preview shows how black text looks on a background with the XYZ color 28.7056, 46.2532, 34.6089.



This preview shows how white text looks on a background with the XYZ color 28.7056, 46.2532,

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

28.7056, 46.2532, 34.6089

Protanopia

42.2315, 45.1959, 29.4195

Deuteranopia

46.1469, 45.3089, 36.4503



Tritanopia

35.5223, 46.2577, 68.6844

Trichromacy



Original Color

28.7056, 46.2532, 34.6089



Protanomaly

34.1450, 43.7598, 31.0730



Deuteranomaly

35.7824, 43.2553, 35.3173



Tritanomaly

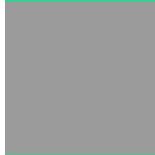
32.5349, 46.0544, 54.1883

Monochromacy



Original Color

28.7056, 46.2532, 34.6089



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.4962, 36.2191, 35.1948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7056, 46.2532, 34.6089 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(61, 204, 146)` looks like.

```
.text, #text, p{  
    color:rgb(61, 204, 146)  
}
```

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(61, 204, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 204, 146) }
```

Border

The CSS property to change the border of an element to XYZ 28.7056, 46.2532, 34.6089 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(61, 204, 146) }
```


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

```
.border{ border-color:rgb(61, 204, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 204, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(61, 204, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(61, 204, 146); box-shadow:4px 4px 4px 4px rgb(61, 204, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7056, 46.2532, 34.6089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 204, 146) }
```

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

```
.background{ background-color: rgb(61, 204,  
146) }
```

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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