

Converting Colors

XYZ(28.1614, 46.5329, 29.0954)

Have a look what the booklet for
XYZ(28.1614, 46.5329, 29.0954)
contains.

XYZ(28.1080, 46.4252, 28.9522)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.1080, 46.4252,
28.9522)**

Conversions

Conversions Part 1

Format	Color
Hex	41CD83
RGB	65, 205, 131
RGB Percent	25%, 80%, 51%
CMY	0.7451, 0.1961, 0.4863
CMYK	0.68, 0.00, 0.36, 0.20
HSL	148°, 58%, 53%
HSV	148°, 68%, 80%
XYZ	28.1080, 46.4252, 28.9522
YIQ	154.7040, -59.6860, -52.6940

Conversions

Conversions Part 2

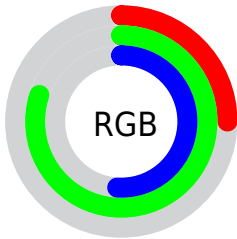
Format	Color
RYB	65, 160, 205
Decimal	4312451
CIELab	73.82, -54.04, 26.25
CIELCh	74, 60.078, 154.087
Yxy	46.4252, 0.2716, 0.4486
Android (android.graphics.Color)	4282502531 (0xFF41CD83)
YUV	154.7040, -11.6861, -78.6704
Hunter-Lab	68.1360, -45.6019, 22.5019

Details

The XYZ color **28.1080, 46.4252, 28.9522** 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 **31.7288, 18.6247, 26.3502**, and the grayscale version is **31.0948, 32.7141, 35.6257**.

A 20% lighter version of the original color is **53.4650, 79.6478, 57.9031**, and **12.3915, 22.4068, 11.4564** is the 20% darker color. If you saturate the color by 10%, you get **26.2929, 45.5712, 25.2325**, and if you desaturate by 10%, it is **30.4946, 47.5675, 33.1017**.

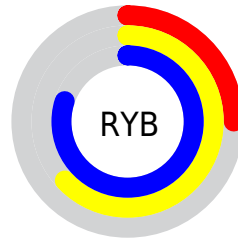
Distribution



Red (25%)

Green (80%)

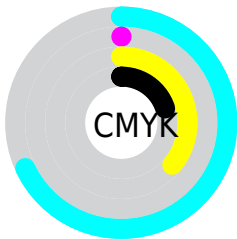
Blue (51%)



Red (25%)

Yellow (63%)

Blue (80%)

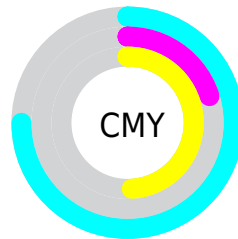


Cyan (68%)

Magenta (0%)

Yellow (36%)

Black (20%)



Cyan (75%)

Magenta (20%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1080, 46.4252, 28.9522 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 28.1080, 46.4252, 28.9522 by changing the saturation by 10% instead.

■ 28.1080, 46.4252,
28.9522

■ 28.1080, 46.4252,
28.9522

285.0533,
372.5155, 311.0432

■ 18.5480, 32.5815,
18.7994

■ 56.0643, 84.8550,
59.0424

■ 11.4462, 21.8060,
11.3501

■ 75.1912, 110.2099,
79.8169

■ 6.4373, 13.7144,
6.1857

■ 98.2378, 140.1706,
104.9690

■ 3.1559, 7.9223,
2.8877

■ 125.5694,
175.1215, 134.9173

■ 1.2367, 4.0453,
1.0376

■ 157.5514,
215.4471, 170.0804

■ 0.1351, 1.6989,
0.0000

194.5492,

■ 0.0000, 0.4230,

261.5316, 210.8767

0.0000

236.9280,
313.7596, 257.7248

■ 0.0000, 0.0000,
0.0000

■ 28.1080, 46.4252,
28.9522

■ 28.1080, 46.4252,
28.9522

■ 26.2929, 45.5712,
25.2325

■ 30.4946, 47.5675,
33.1017

■ 24.9871, 44.9699,
21.9244

■ 33.4993, 49.0179,
37.6919

■ 24.1040, 44.5782,
19.0120

■ 37.1675, 50.8011,
42.7371

■ 23.9733, 44.5209,
18.5521

■ 41.5393, 52.9373,
48.2501

■ 46.6515, 55.4454,
54.2431

■ 52.5382, 58.3427,
60.7277

■ 59.2315, 61.6455,
67.7151

■ 66.7613, 65.3690,
75.2162

■ 75.1564, 69.5279,
83.2415

Harmonies

Analogous

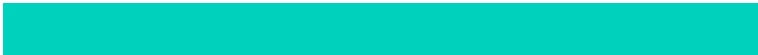
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.5852, 46.4252, 15.8040



28.1080, 46.4252, 28.9522



26.6439, 46.4252, 54.8593

Triad

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



28.1080, 46.4252, 28.9522



45.6061, 46.4252, 134.8661



63.4184, 46.4252, 24.2266

Complementary

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



28.1080, 46.4252, 28.9522



31.7288, 18.6247, 26.3502

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.



67.9506, 46.4252, 46.4709



28.1080, 46.4252, 28.9522



56.6689, 46.4252, 116.6025

Square

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



28.1080, 46.4252, 28.9522



35.7438, 46.4252, 124.0770



65.3013, 46.4252, 80.8632



53.7252, 46.4252, 13.9501

Rectangle

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



28.1080, 46.4252, 28.9522



27.9037, 46.4252, 78.5616



65.3013, 46.4252, 80.8632



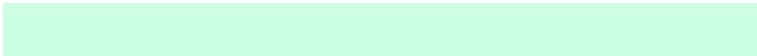
65.6612, 46.4252, 30.1398

Sweetspot

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



28.1092, 46.4271, 28.9533



74.6713, 89.9612, 86.8584



33.5460, 49.5929, 12.8057



15.4604, 18.9990, 17.9854



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.



28.1092, 46.4271, 28.9533



41.9526, 74.1267, 38.6728



34.4771, 48.9742, 62.4862



11.2845, 12.6235, 13.0556



14.9709, 27.7337, 11.7978



0.8106, 1.4460, 0.8100

Inverse Universe

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



31.7288, 18.6247, 26.3502



48.2500, 25.6209, 34.0440



28.1634, 17.1985, 7.5750



11.4559, 11.3111, 12.9356



17.4189, 8.7782, 9.9247



0.9368, 0.4681, 0.7130

Previews

White Background



This preview shows how the XYZ color 28.1080, 46.4252, 28.9522 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 28.1080, 46.4252, 28.9522 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

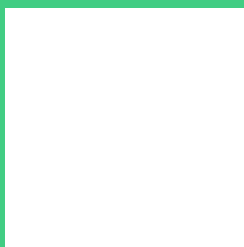
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1080, 46.4252, 28.9522

Background



This preview shows how black text looks on a background with the XYZ color 28.1080, 46.4252, 28.9522.

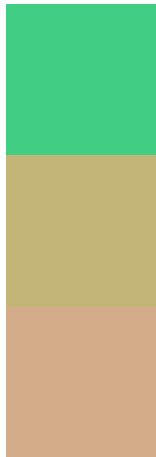


This preview shows how white text looks on a background with the XYZ color 28.1080, 46.4252,

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

28.1080, 46.4252, 28.9522

Protanopia

42.2171, 45.6007, 24.3460

Deuteranopia

46.3950, 45.5710, 30.3956



Tritanopia

35.8891, 46.1130, 68.6372

Trichromacy



Original Color

28.1080, 46.4252, 28.9522



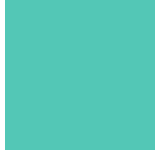
Protanomaly

34.0484, 44.1463, 25.7953



Deuteranomaly

35.8227, 43.7163, 29.4717



Tritanomaly

32.4342, 46.0632, 51.4376

Monochromacy



Original Color

28.1080, 46.4252, 28.9522



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

28.1579, 36.1000, 32.6781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1080, 46.4252, 28.9522 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(65, 205, 131)` looks like.

```
.text, #text, p{  
    color:rgb(65, 205, 131)  
}
```

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(65, 205, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 205, 131) }
```

Border

The CSS property to change the border of an element to XYZ 28.1080, 46.4252, 28.9522 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(65, 205, 131) }
```


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

```
.border{ border-color:rgb(65, 205, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 205, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 205, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 205, 131);  
box-shadow:4px 4px 4px 4px rgb(65, 205,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1080, 46.4252, 28.9522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 205, 131) }
```

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

```
.background{ background-color: rgb(65, 205,  
131) }
```

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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