

Converting Colors

XYZ(25.7486, 36.3593, 28.8407)

Have a look what the booklet for
XYZ(25.7486, 36.3593, 28.8407)
contains.

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Color

**XYZ(25.8438, 36.4431,
28.9647)**

Conversions

Conversions Part 1

Format	Color
Hex	66B288
RGB	102, 178, 136
RGB Percent	40%, 70%, 53%
CMY	0.6000, 0.3019, 0.4667
CMYK	0.43, 0.00, 0.24, 0.30
HSL	147°, 33%, 55%
HSV	147°, 43%, 70%
XYZ	25.8438, 36.4431, 28.9647
YIQ	150.4880, -31.8140, -29.1740

Conversions

Conversions Part 2

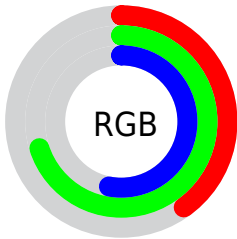
Format	Color
RYB	102, 155, 178
Decimal	6730376
CIELab	66.86, -33.22, 14.23
CIElCh	67, 36.139, 156.811
Yxy	36.4431, 0.2832, 0.3994
Android (android.graphics.Color)	4284920456 (0xFF66B288)
YUV	150.4880, -7.1426, -42.5240
Hunter-Lab	60.3681, -29.2277, 13.8103

Details

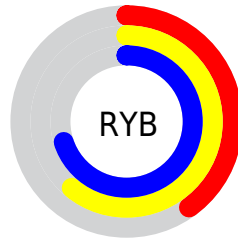
The XYZ color **25.8438, 36.4431, 28.9647** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **28.1467, 20.9821, 28.9533**, and the grayscale version is **29.2368, 30.7594, 33.4970**.

A 20% lighter version of the original color is **52.3184, 69.5877, 58.8184**, and **10.2323, 15.9675, 11.3468** is the 20% darker color. If you saturate the color by 10%, you get **23.3718, 35.2468, 25.3659**, and if you desaturate by 10%, it is **28.8151, 37.8913, 32.9235**.

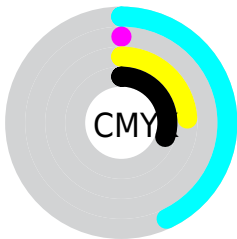
Distribution



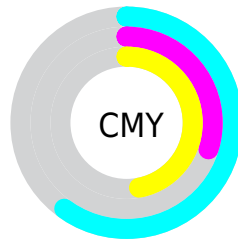
- Red (40%)
- Green (70%)
- Blue (53%)



- Red (40%)
- Yellow (61%)
- Blue (70%)



- Cyan (43%)
- Magenta (0%)
- Yellow (24%)
- Black (30%)





- Cyan (60%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8438, 36.4431, 28.9647 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 25.8438, 36.4431, 28.9647 by changing the saturation by 10% instead.


 25.8438, 36.4431,
28.9647


 25.8438, 36.4431,
28.9647


274.2852,
330.8931, 311.1041


 16.8389, 24.7766,
18.8088


 52.4559, 69.7154,
59.0625


 10.2143, 15.9107,
11.3568


 70.7939, 92.0901,
79.8415

 5.6046, 9.4610,
6.1902


 92.9736, 118.8029,
104.9985

 2.6445, 5.0431,
2.8904

 119.3603,
150.2382, 134.9522

 0.9687, 2.2726,
1.0389

150.3195,
186.7805, 170.1211

 0.0000, 0.7591,
0.0000

186.2165,

 0.0000, 0.0000,

228.8142, 210.9236

0.0000

227.4166,
276.7236, 257.7785

■ 25.8438, 36.4431,
28.9647

■ 25.8438, 36.4431,
28.9647

■ 23.3718, 35.2468,
25.3659

■ 28.8151, 37.8913,
32.9235

■ 21.3664, 34.2829,
22.1141

■ 32.3099, 39.6008,
37.2497

■ 19.7956, 33.5360,
19.1995


■ 36.3544, 41.5859,
41.9535


■ 18.6216, 32.9869,
16.6103

■ 40.9719, 43.8584,
47.0442

■ 17.7998, 32.6128,
14.3342


■ 46.1845, 46.4296,
52.5305

 17.3554, 32.4158,
12.8604

 52.0131, 49.3100,
58.4209

 58.4776, 52.5098,
64.7236

 65.5968, 56.0384,
71.4467

 70.6885, 58.5131,
78.4715

Harmonies

Analogous

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



28.7120, 36.4431, 20.1242



25.8438, 36.4431, 28.9647



25.2113, 36.4431, 43.3601

Triad

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



25.8438, 36.4431, 28.9647



35.9002, 36.4431, 77.7212



43.7568, 36.4431, 24.2334

Complementary

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



25.8438, 36.4431, 28.9647



28.1467, 20.9821, 28.9533

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.



46.1629, 36.4431, 36.2148



25.8438, 36.4431, 28.9647



41.3281, 36.4431, 69.0023

Square

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



25.8438, 36.4431, 28.9647



30.6605, 36.4431, 74.2970



45.2304, 36.4431, 52.7582



38.9455, 36.4431, 17.9372

Rectangle

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



25.8438, 36.4431, 28.9647



26.0756, 36.4431, 54.8722



45.2304, 36.4431, 52.7582



44.8956, 36.4431, 27.5883

Sweetspot

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



25.8448, 36.4446, 28.9655



65.5108, 75.2075, 75.6092



30.0087, 38.8275, 18.4836



14.1410, 16.4790, 16.3255



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.8448, 36.4446, 28.9655



42.7142, 64.0760, 46.5052



28.9374, 37.6816, 45.2511



8.5417, 9.5512, 9.8463



12.4483, 23.2053, 9.3635



0.4212, 0.7419, 0.4501

Inverse Universe

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



28.1467, 20.9821, 28.9533



47.4265, 32.3912, 46.4571



25.7698, 20.0314, 16.4370



8.6863, 8.5812, 9.8466



14.7589, 7.4211, 9.1563



0.4932, 0.2450, 0.4401

Previews

White Background



This preview shows how the XYZ color 25.8438, 36.4431, 28.9647 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 25.8438, 36.4431, 28.9647 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 25.8438, 36.4431, 28.9647

Background



This preview shows how black text looks on a background with the XYZ color 25.8438, 36.4431, 28.9647.



This preview shows how white text looks on a background with the XYZ color 25.8438, 36.4431,

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

25.8438, 36.4431, 28.9647

Protanopia

33.8299, 36.1698, 25.6205

Deuteranopia

36.7038, 36.0143, 30.2163



Tritanopia

30.2593, 36.2060, 51.2926

Trichromacy



Original Color

25.8438, 36.4431, 28.9647

Protanomaly

30.1320, 35.8470, 26.8038

Deuteranomaly

31.4532, 35.3836, 29.5980

Tritanomaly

28.5415, 36.3771, 42.0764

Monochromacy



Original Color

25.8438, 36.4431, 28.9647

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.3545, 32.1725, 31.5562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8438, 36.4431, 28.9647 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(102, 178, 136)` looks like.

```
.text, #text, p{  
    color:rgb(102, 178, 136)  
}
```

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(102, 178, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 178, 136) }
```

Border

The CSS property to change the border of an element to XYZ 25.8438, 36.4431, 28.9647 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(102, 178, 136) }
```


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

```
.border{ border-color:rgb(102, 178, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 178, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 178, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 178, 136);  
box-shadow:4px 4px 4px 4px rgb(102, 178,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8438, 36.4431, 28.9647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 178, 136) }
```

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

```
.background{ background-color: rgb(102,  
178, 136) }
```

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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