

Converting Colors

XYZ(28.8672, 41.9964, 34.8663)

Have a look what the booklet for
XYZ(28.8672, 41.9964, 34.8663)
contains.

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Color

**XYZ(28.8795, 41.9183,
35.0027)**

Conversions

Conversions Part 1

Format	Color
Hex	60BF95
RGB	96, 191, 149
RGB Percent	38%, 75%, 58%
CMY	0.6235, 0.2510, 0.4157
CMYK	0.50, 0.00, 0.22, 0.25
HSL	153°, 43%, 56%
HSV	153°, 50%, 75%
XYZ	28.8795, 41.9183, 35.0027
YIQ	157.8070, -43.1380, -33.2020

Conversions

Conversions Part 2

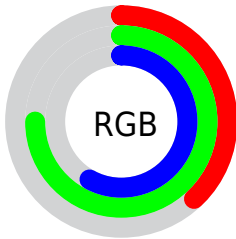
Format	Color
RYB	96, 157, 191
Decimal	6340501
CIELab	70.81, -38.06, 12.67
CIELCh	71, 40.115, 161.584
Yxy	41.9183, 0.2730, 0.3962
Android (android.graphics.Color)	4284530581 (0xFF60BF95)
YUV	157.8070, -4.3419, -54.2047
Hunter-Lab	64.7443, -33.6819, 13.2671

Details

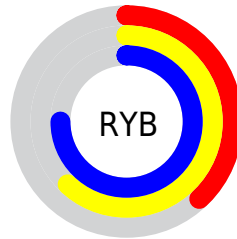
The XYZ color **28.8795, 41.9183, 35.0027** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **30.2576, 21.2781, 26.5588**, and the grayscale version is **32.4459, 34.1356, 37.1737**.

A 20% lighter version of the original color is **57.2958, 78.1220, 68.5592**, and **11.8778, 19.1482, 14.6252** is the 20% darker color. If you saturate the color by 10%, you get **26.4590, 40.7467, 31.4972**, and if you desaturate by 10%, it is **31.8393, 43.3645, 38.7905**.

Distribution



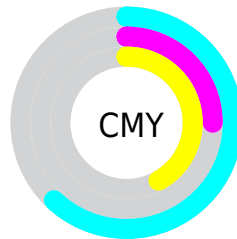
- Red (38%)
- Green (75%)
- Blue (58%)



- Red (38%)
- Yellow (62%)
- Blue (75%)



- Cyan (50%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)



- Cyan (62%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8795, 41.9183, 35.0027 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 28.8795, 41.9183, 35.0027 by changing the saturation by 10% instead.

■ 28.8795, 41.9183,
35.0027

■ 28.8795, 41.9183,
35.0027

288.6505,
354.1441, 339.4849

■ 19.1335, 29.0373,
23.3814

■ 57.2845, 78.0760,
68.6416

■ 11.8714, 19.1091,
14.6674

■ 76.6741, 102.1214,
91.4962

■ 6.7277, 11.7491,
8.4423

■ 100.0091,
130.6572, 118.9324

■ 3.3372, 6.5731,
4.2874

■ 127.6547,
164.0676, 151.3686

■ 1.3345, 3.1966,
1.7843

159.9763,
202.7372, 189.2234

■ 0.2088, 1.2352,
0.4176

197.3392,

■ 0.0000, 0.0902,

247.0502, 232.9154

0.0000

240.1088,
297.3910, 282.8630

■ 0.0000, 0.0000,
0.0000

■ 28.8795, 41.9183,
35.0027

■ 28.8795, 41.9183,
35.0027

■ 26.4590, 40.7467,
31.4972

■ 31.8393, 43.3645,
38.7905

■ 24.5375, 39.8257,
28.2640

■ 35.3684, 45.0973,
42.8645

■ 23.0741, 39.1354,
25.2966


■ 39.4986, 47.1341,
47.2321


■ 22.0193, 38.6506,
22.5868


■ 44.2580, 49.4893,
51.8996


■ 21.2800, 38.3232,
20.1244


■ 49.6732, 52.1764,
56.8731

 21.2621, 38.3153,
20.0630

 55.7691, 55.2083,
62.1582

 62.5693, 58.5970,
67.7608

 70.0962, 62.3539,
73.6862

 73.4626, 63.9595,
79.7101

Harmonies

Analogous

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



31.9284, 41.9183, 23.3281



28.8795, 41.9183, 35.0027



28.5618, 41.9183, 53.4143

Triad

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



28.8795, 41.9183, 35.0027



42.4708, 41.9183, 91.8553



50.2154, 41.9183, 25.3613

Complementary

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



28.8795, 41.9183, 35.0027



30.2576, 21.2781, 26.5588

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.



53.7589, 41.9183, 38.6626



28.8795, 41.9183, 35.0027



48.9660, 41.9183, 78.9605

Square

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



28.8795, 41.9183, 35.0027



35.9297, 41.9183, 90.0629



53.2777, 41.9183, 58.2442



44.0287, 41.9183, 18.9275

Rectangle

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



28.8795, 41.9183, 35.0027



29.8932, 41.9183, 67.6856



53.2777, 41.9183, 58.2442



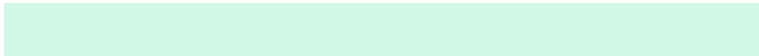
51.7847, 41.9183, 28.9938

Sweetspot

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



28.8806, 41.9200, 35.0037



74.4330, 86.2403, 88.2845



31.3492, 43.5754, 17.8256



15.9538, 18.7442, 18.9987



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.8806, 41.9200, 35.0037



46.9231, 72.7515, 55.6818



31.8408, 41.4733, 55.6191



9.6256, 10.7363, 11.2778



14.0137, 25.1958, 13.4009



0.5813, 0.9999, 0.6956

Inverse Universe

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



30.2576, 21.2781, 26.5588



49.6886, 31.4506, 38.8370



28.2279, 21.1808, 13.6675



9.7007, 9.6046, 10.8128



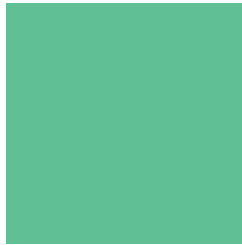
15.2225, 7.7202, 6.4655



0.6292, 0.3156, 0.4266

Previews

White Background



This preview shows how the XYZ color 28.8795, 41.9183, 35.0027 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 28.8795, 41.9183, 35.0027 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

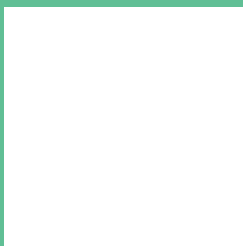
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8795, 41.9183, 35.0027

Background



This preview shows how black text looks on a background with the XYZ color 28.8795, 41.9183, 35.0027.

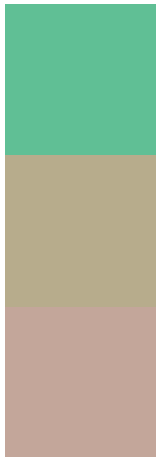


This preview shows how white text looks on a background with the XYZ color 28.8795, 41.9183,

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

28.8795, 41.9183, 35.0027

Protanopia

39.0146, 41.4658, 30.7583

Deuteranopia

41.9746, 41.2076, 36.3134



Tritanopia

33.8797, 41.7195, 60.2998

Trichromacy



Original Color

28.8795, 41.9183, 35.0027



Protanomaly

33.8405, 40.8027, 32.0787



Deuteranomaly

35.2955, 40.2979, 35.6238



Tritanomaly

31.9365, 41.8801, 50.1165

Monochromacy



Original Color

28.8795, 41.9183, 35.0027



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.2828, 36.2669, 36.4145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8795, 41.9183, 35.0027 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(96, 191, 149)` looks like.

```
.text, #text, p{  
    color:rgb(96, 191, 149)  
}
```

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(96, 191, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 191, 149) }
```

Border

The CSS property to change the border of an element to XYZ 28.8795, 41.9183, 35.0027 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(96, 191, 149) }
```


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

```
.border{ border-color:rgb(96, 191, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 191, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 191, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 191, 149);  
box-shadow:4px 4px 4px 4px rgb(96, 191,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8795, 41.9183, 35.0027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 191, 149) }
```

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

```
.background{ background-color: rgb(96, 191,  
149) }
```

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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