

Converting Colors

XYZ(28.8431, 16.4583, 10.4206)

Have a look what the booklet for
XYZ(28.8431, 16.4583, 10.4206)
contains.

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Color

**XYZ(28.8760, 16.4494,
10.4572)**

Conversions

Conversions Part 1

Format	Color
Hex	D03356
RGB	208, 51, 86
RGB Percent	82%, 20%, 34%
CMY	0.1843, 0.8000, 0.6627
CMYK	0.00, 0.75, 0.59, 0.18
HSL	347°, 63%, 51%
HSV	347°, 75%, 82%
XYZ	28.8760, 16.4494, 10.4572
YIQ	101.9330, 82.3370, 44.1690

Conversions

Conversions Part 2

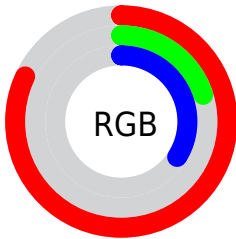
Format	Color
RYB	208, 51, 86
Decimal	13644630
CIELab	47.56, 62.17, 17.99
CIElCh	48, 64.719, 16.143
Yxy	16.4494, 0.5177, 0.2949
Android (android.graphics.Color)	4291834710 (0xFFD03356)
YUV	101.9330, -7.8550, 93.0208
Hunter-Lab	40.5579, 56.1105, 13.1035

Details

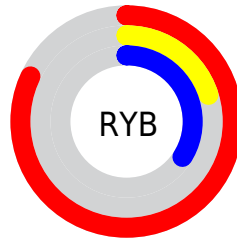
The XYZ color **28.8760, 16.4494, 10.4572** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **31.4654, 48.8333, 47.3078**, and the grayscale version is **12.6177, 13.2748, 14.4563**.

A 20% lighter version of the original color is **51.2976, 34.3781, 26.8536**, and **12.4329, 6.3631, 2.6707** is the 20% darker color. If you saturate the color by 10%, you get **27.5823, 14.7893, 7.1681**, and if you desaturate by 10%, it is **30.7240, 18.9828, 14.6579**.

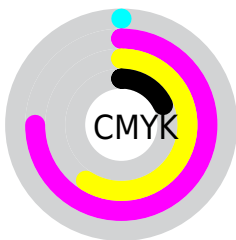
Distribution



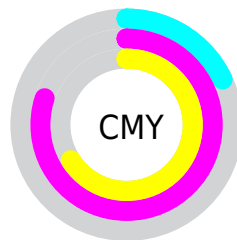
- Red (82%)
- Green (20%)
- Blue (34%)



- Red (82%)
- Yellow (20%)
- Blue (34%)



- Cyan (0%)
- Magenta (75%)
- Yellow (59%)
- Black (18%)





- Cyan (18%)
- Magenta (80%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8760, 16.4494, 10.4572 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 28.8760, 16.4494, 10.4572 by changing the saturation by 10% instead.


 28.8760, 16.4494,
10.4572

 28.8760, 16.4494,
10.4572


288.6342,
231.9791, 204.5067


 19.1308, 9.8427,
5.5936


 57.2789, 37.3766,
27.2731


 11.8694, 5.2948,
2.5348


 76.6674, 52.4660,
40.0625

 6.7264, 2.4212,
0.8585


 100.0011, 71.1517,
56.3309

 3.3364, 0.8368,
0.0000

 127.6453, 93.8181,
76.4968

 1.3340, 0.0000,
0.0000

 159.9653,
120.8497, 100.9788

 0.2085, 0.0000,
0.0000

197.3266,

 0.0000, 0.0000,

152.6308, 130.1954

0.0000

240.0944,
189.5458, 164.5652

■ 28.8760, 16.4494,
10.4572

■ 28.8760, 16.4494,
10.4572

■ 27.5823, 14.7893,
7.1681

■ 30.7240, 18.9828,
14.6579

■ 26.7727, 13.8774,
4.7173


■ 33.1822, 22.4863,
19.8335


■ 26.5126, 13.6100,
3.8516


■ 36.3010, 27.0470,
26.0422

■ 40.1247, 32.7416,
33.3372

■ 44.6940, 39.6395,
41.7680

 50.0463, 47.8046,
51.3811

 56.2165, 57.2963,
62.2200

 63.2373, 68.1700,
74.3264

 71.1396, 80.4782,
87.7396

Harmonies

Analogous

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



29.0485, 16.4494, 26.6365



28.8760, 16.4494, 10.4572



24.6370, 16.4494, 3.3899

Triad

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



28.8760, 16.4494, 10.4572



8.9287, 16.4494, 3.6935



13.1282, 16.4494, 69.7629

Complementary

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



28.8760, 16.4494, 10.4572



31.4654, 48.8333, 47.3078

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.



9.1455, 16.4494, 51.9199



28.8760, 16.4494, 10.4572



7.1556, 16.4494, 11.3347

Square

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



28.8760, 16.4494, 10.4572



12.7519, 16.4494, 1.4510



7.2237, 16.4494, 28.2614



18.9221, 16.4494, 68.9551

Rectangle

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



28.8760, 16.4494, 10.4572



20.5580, 16.4494, 1.7419



7.2237, 16.4494, 28.2614



11.5677, 16.4494, 65.4299

Sweetspot

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



28.8764, 16.4504, 10.4575



72.6199, 65.5223, 69.4154



29.4445, 15.6221, 61.1379



14.9254, 13.0856, 13.7341



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.



28.8764, 16.4504, 10.4575



42.8041, 22.3743, 8.6600



30.5135, 21.4557, 5.6663



11.9151, 11.8508, 12.8287



16.5544, 8.4946, 2.5597



0.9563, 0.4872, 0.3048

Inverse Universe

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



28.8764, 16.4504, 10.4575



42.8041, 22.3743, 8.6600



26.4119, 32.5801, 64.5709



11.9151, 11.8508, 12.8287



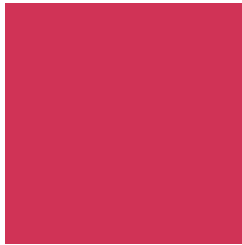
16.5544, 8.4946, 2.5597



0.9563, 0.4872, 0.3048

Previews

White Background



This preview shows how the XYZ color 28.8760, 16.4494, 10.4572 looks on a white background.

Color Contrast Check

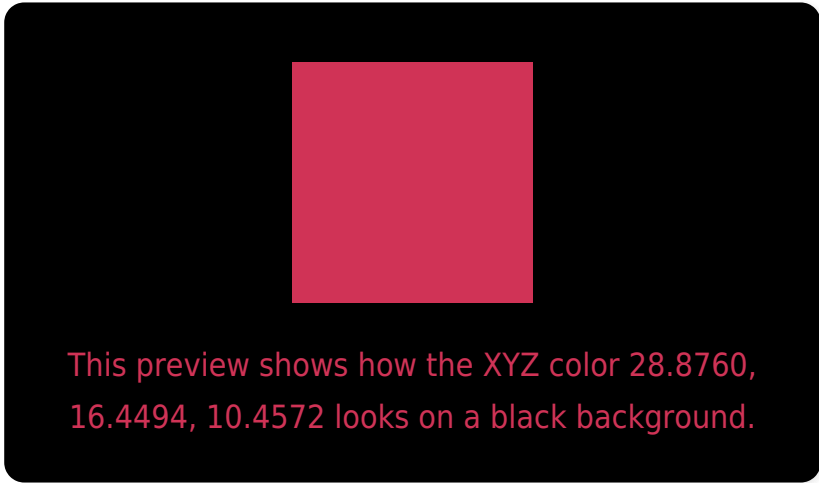
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.8760, 16.4494, 10.4572

Background



This preview shows how black text looks on a background with the XYZ color 28.8760, 16.4494, 10.4572.



This preview shows how white text looks on a background with the XYZ color 28.8760, 16.4494,

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

28.8760, 16.4494, 10.4572

Protanopia

16.0699, 16.6929, 18.5947

Deuteranopia

16.9971, 16.7216, 9.5395



Tritanopia

27.9847, 16.5074, 5.8490

Trichromacy



Original Color

28.8760, 16.4494, 10.4572

Protanomaly

18.5493, 14.7014, 14.9567

Deuteranomaly

19.8752, 15.2549, 9.6815

Tritanomaly

28.1725, 16.4274, 7.3162

Monochromacy



Original Color

28.8760, 16.4494, 10.4572

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.1891, 12.6938, 12.6632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8760, 16.4494, 10.4572 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(208, 51, 86)` looks like.

```
.text, #text, p{  
    color:rgb(208, 51, 86)  
}
```

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(208, 51, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 51, 86) }
```

Border

The CSS property to change the border of an element to XYZ 28.8760, 16.4494, 10.4572 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(208, 51, 86) }
```


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

```
.border{ border-color:rgb(208, 51, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 51, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 51, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 51, 86);  
box-shadow:4px 4px 4px 4px rgb(208, 51,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8760, 16.4494, 10.4572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 51, 86) }
```

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

```
.background{ background-color: rgb(208, 51,  
86) }
```

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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