

Converting Colors

XYZ(28.4853, 16.6213, 12.7895)

Have a look what the booklet for
XYZ(28.4853, 16.6213, 12.7895)
contains.

XYZ(28.4763, 16.6082, 12.7712)	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(28.4763, 16.6082,
12.7712)**

Conversions

Conversions Part 1

Format	Color
Hex	CC3960
RGB	204, 57, 96
RGB Percent	80%, 22%, 38%
CMY	0.2000, 0.7764, 0.6235
CMYK	0.00, 0.72, 0.53, 0.20
HSL	344°, 59%, 51%
HSV	344°, 72%, 80%
XYZ	28.4763, 16.6082, 12.7712
YIQ	105.3990, 75.0930, 43.2930

Conversions

Conversions Part 2

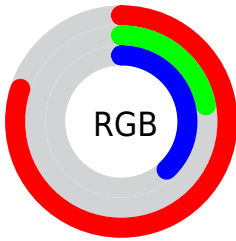
Format	Color
R_YB	204, 57, 96
Decimal	13384032
CIE Lab	47.76, 59.73, 12.03
CIE LCh	48, 60.930, 11.391
Yxy	16.6082, 0.4922, 0.2871
Android (android.graphics.Color)	4291574112 (0xFFCC3960)
YUV	105.3990, -4.6337, 86.4731
Hunter-Lab	40.7532, 53.4090, 9.9469

Details

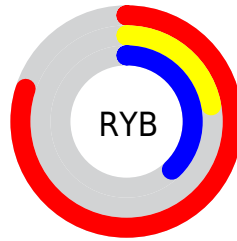
The XYZ color **28.4763, 16.6082, 12.7712** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **30.0731, 46.7727, 43.0449**, and the grayscale version is **13.5346, 14.2394, 15.5067**.

A 20% lighter version of the original color is **52.5590, 35.5968, 31.2948**, and **12.0773, 6.1596, 3.5700** is the 20% darker color. If you saturate the color by 10%, you get **27.0369, 14.7306, 9.2052**, and if you desaturate by 10%, it is **30.4531, 19.3502, 17.1657**.

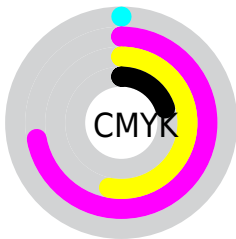
Distribution



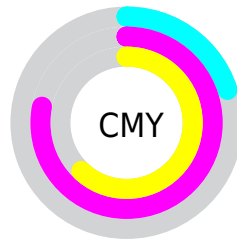
- Red (80%)
- Green (22%)
- Blue (38%)



- Red (80%)
- Yellow (22%)
- Blue (38%)



- Cyan (0%)
- Magenta (72%)
- Yellow (53%)
- Black (20%)





- Cyan (20%)
- Magenta (78%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4763, 16.6082, 12.7712 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 28.4763, 16.6082, 12.7712 by changing the saturation by 10% instead.


 28.4763, 16.6082,
12.7712

 28.4763, 16.6082,
12.7712


286.7749,
232.9043, 220.6022


 18.8273, 9.9555,
7.1423


 56.6473, 37.6509,
31.5773


 11.6488, 5.3695,
3.4715


 75.9001, 52.8097,
45.5915


 6.5755, 2.4656,
1.3401


 99.0847, 71.5727,
63.2380

 3.2420, 0.8594,
0.0943

 126.5667, 94.3243,
84.9352

 1.2830, 0.0000,
0.0000

 158.7114,
121.4489, 111.1016

 0.1704, 0.0000,
0.0000

195.8841,

 0.0000, 0.0000,

153.3308, 142.1559

0.0000

238.4501,
190.3545, 178.5166

■ 28.4763, 16.6082,
12.7712

■ 28.4763, 16.6082,
12.7712

■ 27.0369, 14.7306,
9.2052

■ 30.4531, 19.3502,
17.1657

■ 26.0742, 13.6078,
6.4101

■ 33.0162, 23.0430,
22.4388

■ 25.5702, 13.1047,
4.6857

■ 36.2102, 27.7659,
28.6372

■ 40.0750, 33.5887,
35.8038

■ 44.6470, 40.5753,
43.9788

■ 49.9600, 48.7845,
53.2001

■ 56.0455, 58.2714,
63.5035

■ 62.9332, 69.0874,
74.9232

■ 70.6513, 81.2812,
87.4916

Harmonies

Analogous

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



27.9724, 16.6082, 29.4751



28.4763, 16.6082, 12.7712



25.0445, 16.6082, 4.5983

Triad

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



28.4763, 16.6082, 12.7712



9.8117, 16.6082, 3.6056



12.6668, 16.6082, 64.1677

Complementary

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



28.4763, 16.6082, 12.7712



30.0731, 46.7727, 43.0449

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.



9.1467, 16.6082, 46.1397



28.4763, 16.6082, 12.7712



7.7798, 16.6082, 10.0857

Square

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



28.4763, 16.6082, 12.7712



13.8015, 16.6082, 1.7223



7.5683, 16.6082, 24.6960



17.9513, 16.6082, 66.4737

Rectangle

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



28.4763, 16.6082, 12.7712



21.3652, 16.6082, 2.4475



7.5683, 16.6082, 24.6960



11.2733, 16.6082, 59.4073

Sweetspot

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



28.4767, 16.6091, 12.7715



73.7501, 66.9047, 72.4986



27.8387, 15.2651, 58.6057



15.3163, 13.6005, 14.6876



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.



28.4767, 16.6091, 12.7715



43.8764, 23.3095, 12.7460



29.4080, 20.6678, 6.3116



11.3325, 11.2617, 12.2855



16.1275, 8.2616, 3.1242



0.8642, 0.4391, 0.3306

Inverse Universe

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



28.4767, 16.6091, 12.7715



43.8764, 23.3095, 12.7460



26.9059, 33.8677, 62.2455



11.3325, 11.2617, 12.2855



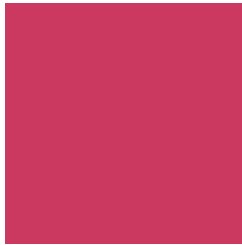
16.1275, 8.2616, 3.1242



0.8642, 0.4391, 0.3306

Previews

White Background



This preview shows how the XYZ color 28.4763, 16.6082, 12.7712 looks on a white background.

Color Contrast Check

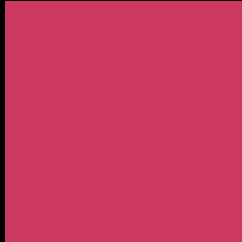
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.4763, 16.6082, 12.7712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

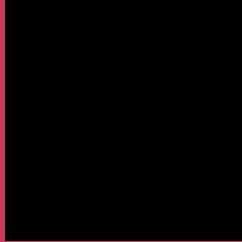
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.4763, 16.6082, 12.7712

Background



This preview shows how black text looks on a background with the XYZ color 28.4763, 16.6082, 12.7712.



This preview shows how white text looks on a background with the XYZ color 28.4763, 16.6082,

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

28.4763, 16.6082, 12.7712

Protanopia

16.4169, 16.8016, 21.7798

Deuteranopia

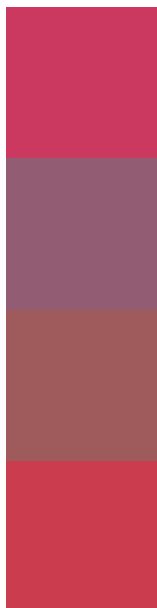
16.9447, 16.6451, 11.7709



Tritanopia

27.1477, 16.5168, 7.0674

Trichromacy



Original Color

28.4763, 16.6082, 12.7712

Protanomaly

18.8057, 15.1546, 17.8536

Deuteranomaly

19.8860, 15.4560, 12.0604

Tritanomaly

27.6725, 16.5841, 8.9503

Monochromacy



Original Color

28.4763, 16.6082, 12.7712

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

16.8725, 13.6015, 14.3064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4763, 16.6082, 12.7712 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(204, 57, 96)` looks like.

```
.text, #text, p{  
    color:rgb(204, 57, 96)  
}
```

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(204, 57, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 57, 96) }
```

Border

The CSS property to change the border of an element to XYZ 28.4763, 16.6082, 12.7712 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(204, 57, 96) }
```


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

```
.border{ border-color:rgb(204, 57, 96) }
```

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

Here you see how a box with a 4 pixel rgb(204, 57, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 57, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 57, 96);  
box-shadow:4px 4px 4px 4px rgb(204, 57,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4763, 16.6082, 12.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 57, 96) }
```

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

```
.background{ background-color: rgb(204, 57,  
96) }
```

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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