

Converting Colors

XYZ(28.7163, 21.0266, 14.9949)

Have a look what the booklet for
XYZ(28.7163, 21.0266, 14.9949)
contains.

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Color

**XYZ(28.7583, 21.0321,
15.1143)**

Conversions

Conversions Part 1

Format	Color
Hex	C16266
RGB	193, 98, 102
RGB Percent	76%, 38%, 40%
CMY	0.2431, 0.6157, 0.6000
CMYK	0.00, 0.49, 0.47, 0.24
HSL	357°, 43%, 57%
HSV	357°, 49%, 76%
XYZ	28.7583, 21.0321, 15.1143
YIQ	126.8610, 55.3360, 21.3840

Conversions

Conversions Part 2

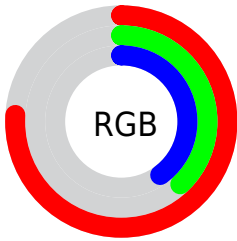
Format	Color
R _Y B	193, 98, 102
Decimal	12673638
CIE Lab	52.98, 38.32, 15.38
CIE LCh	53, 41.294, 21.872
Yxy	21.0321, 0.4431, 0.3240
Android (android.graphics.Color)	4290863718 (0xFFC16266)
YUV	126.8610, -12.2565, 58.0039
Hunter-Lab	45.8608, 31.6772, 12.5624

Details

The XYZ color **28.7583, 21.0321, 15.1143** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.2934, 44.4112, 54.9642**, and the grayscale version is **20.1531, 21.2026, 23.0897**.

A 20% lighter version of the original color is **56.9613, 45.1286, 35.8455**, and **11.8594, 7.5431, 4.4453** is the 20% darker color. If you saturate the color by 10%, you get **26.3483, 17.5195, 10.2807**, and if you desaturate by 10%, it is **31.8092, 25.4993, 21.1707**.

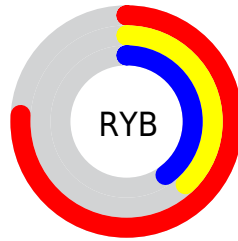
Distribution



Red (76%)

Green (38%)

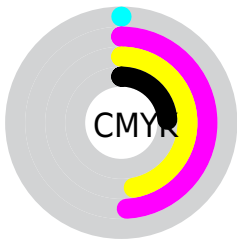
Blue (40%)



Red (76%)

Yellow (38%)

Blue (40%)

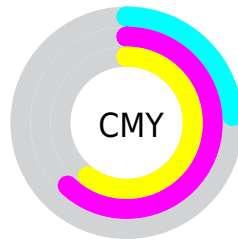


Cyan (0%)

Magenta (49%)

Yellow (47%)

Black (24%)



Cyan (24%)

Magenta (62%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7583, 21.0321, 15.1143 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 28.7583, 21.0321, 15.1143 by changing the saturation by 10% instead.

■ 28.7583, 21.0321,
15.1143

■ 28.7583, 21.0321,
15.1143

288.0877,
257.4490, 235.7216

■ 19.0414, 13.1475,
8.7521

■ 57.0931, 45.1410,
35.7987

■ 11.8044, 7.5302,
4.4853

■ 76.4417, 62.1340,
50.9580

■ 6.6819, 3.7958,
1.8952

■ 99.7316, 82.9319,
69.8868

■ 3.3085, 1.5600,
0.4896

■ 127.3281,
107.9191, 93.0036

■ 1.3189, 0.3304,
0.0000

159.5966,
137.4801, 120.7269

■ 0.1973, 0.0000,
0.0000

196.9025,

■ 0.0000, 0.0000,

171.9991, 153.4753

0.0000

239.6110,
211.8606, 191.6674

■ 28.7583, 21.0321,
15.1143

■ 28.7583, 21.0321,
15.1143

■ 26.3483, 17.5195,
10.2807

■ 31.8092, 25.4993,
21.1707

■ 24.5320, 14.8892,
6.5857

■ 35.5406, 30.9803,
28.5241

■ 23.2584, 13.0637,
3.9362


■ 39.9906, 37.5330,
37.2440


■ 22.4671, 11.9507,
2.2242

■ 45.1942, 45.2102,
47.3949


■ 22.0610, 11.3911,
1.3105


■ 51.1842, 54.0614,
59.0369

 22.0368, 11.3552,
1.2634

 57.9911, 64.1328,
72.2270

 65.6441, 75.4683,
87.0188

 74.1709, 88.1096,
103.4637

 75.8023, 90.0775,
107.9992

Harmonies

Analogous

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



29.4207, 21.0321, 26.4409



28.7583, 21.0321, 15.1143



25.5861, 21.0321, 8.7952

Triad

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



28.7583, 21.0321, 15.1143



14.1285, 21.0321, 11.1048



18.8358, 21.0321, 55.5586

Complementary

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



28.7583, 21.0321, 15.1143



33.2934, 44.4112, 54.9642

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.



15.2765, 21.0321, 47.2543



28.7583, 21.0321, 15.1143



12.8271, 21.0321, 19.6909

Square

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



28.7583, 21.0321, 15.1143



17.0455, 21.0321, 7.1310



13.2147, 21.0321, 32.9851



23.2563, 21.0321, 52.9336

Rectangle

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



28.7583, 21.0321, 15.1143



22.6953, 21.0321, 6.8889



13.2147, 21.0321, 32.9851



17.5094, 21.0321, 53.8709

Sweetspot

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



28.7588, 21.0332, 15.1147



75.1724, 72.4549, 73.6359



34.7946, 23.3098, 53.1174



15.7153, 14.9369, 14.9936



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.



28.7588, 21.0332, 15.1147



46.9272, 30.9956, 17.8817



33.6857, 31.1964, 15.8027



10.0900, 10.0846, 10.5644



14.6645, 7.5556, 0.8795



0.6397, 0.3289, 0.0698

Inverse Universe

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



28.7588, 21.0332, 15.1147



46.9272, 30.9956, 17.8817



25.6099, 28.3406, 54.5725



10.0900, 10.0846, 10.5644



14.6645, 7.5556, 0.8795



0.6397, 0.3289, 0.0698

Previews

White Background



This preview shows how the XYZ color 28.7583, 21.0321, 15.1143 looks on a white background.

Color Contrast Check

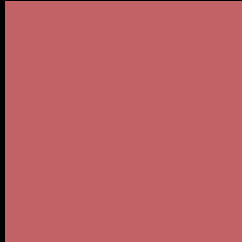
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.7583, 21.0321, 15.1143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

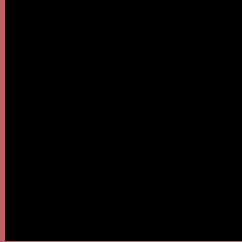
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7583, 21.0321, 15.1143

Background



This preview shows how black text looks on a background with the XYZ color 28.7583, 21.0321, 15.1143.



This preview shows how white text looks on a background with the XYZ color 28.7583, 21.0321,

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

28.7583, 21.0321, 15.1143

Protanopia

20.2575, 21.3452, 19.5754

Deuteranopia

21.5586, 21.1905, 14.5092



Tritanopia

28.9098, 21.0927, 15.9122

Trichromacy



Original Color

28.7583, 21.0321, 15.1143

Protanomaly

22.4411, 20.5085, 17.8147

Deuteranomaly

23.6743, 20.7104, 14.5541

Tritanomaly

28.8587, 21.0723, 15.6430

Monochromacy



Original Color

28.7583, 21.0321, 15.1143

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.2779, 20.3781, 19.8987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7583, 21.0321, 15.1143 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(193, 98, 102)` looks like.

```
.text, #text, p{  
    color:rgb(193, 98, 102)  
}
```

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(193, 98, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 98, 102) }
```

Border

The CSS property to change the border of an element to XYZ 28.7583, 21.0321, 15.1143 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(193, 98, 102) }
```


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

```
.border{ border-color:rgb(193, 98, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 98, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 98, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 98, 102);  
box-shadow:4px 4px 4px 4px rgb(193, 98,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7583, 21.0321, 15.1143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 98, 102) }
```

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

```
.background{ background-color: rgb(193, 98,  
102) }
```

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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