

Converting Colors

XYZ(28.3291, 21.0510, 12.2657)

Have a look what the booklet for
XYZ(28.3291, 21.0510, 12.2657)
contains.

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Color

**XYZ(28.2996, 20.9993,
12.2346)**

Conversions

Conversions Part 1

Format	Color
Hex	C1635A
RGB	193, 99, 90
RGB Percent	76%, 39%, 35%
CMY	0.2431, 0.6117, 0.6471
CMYK	0.00, 0.49, 0.53, 0.24
HSL	5°, 45%, 55%
HSV	5°, 53%, 76%
XYZ	28.2996, 20.9993, 12.2346
YIQ	126.0800, 58.9130, 17.1290

Conversions

Conversions Part 2

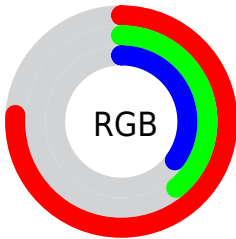
Format	Color
RYB	193, 100, 90
Decimal	12673882
CIELab	52.95, 36.68, 22.37
CIELCh	53, 42.964, 31.373
Yxy	20.9993, 0.4599, 0.3413
Android (android.graphics.Color)	4290863962 (0xFFC1635A)
YUV	126.0800, -17.7874, 58.6888
Hunter-Lab	45.8250, 30.0404, 16.2479

Details

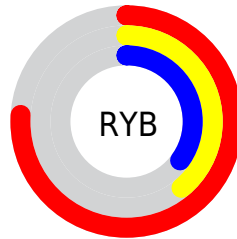
The XYZ color **28.2996, 20.9993, 12.2346** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **30.9815, 40.3027, 56.5981**, and the grayscale version is **19.9036, 20.9401, 22.8038**.

A 20% lighter version of the original color is **56.4699, 45.2326, 30.5654**, and **11.5446, 7.5294, 3.2277** is the 20% darker color. If you saturate the color by 10%, you get **26.0917, 17.7320, 7.9585**, and if you desaturate by 10%, it is **31.0857, 25.0819, 17.7560**.

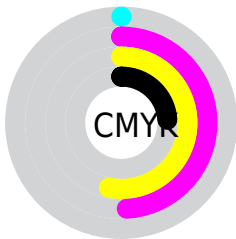
Distribution



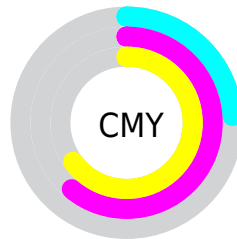
- Red (76%)
- Green (39%)
- Blue (35%)



- Red (76%)
- Yellow (39%)
- Blue (35%)



- Cyan (0%)
- Magenta (49%)
- Yellow (53%)
- Black (24%)




- Cyan (24%)
- Magenta (61%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2996, 20.9993, 12.2346 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 28.2996, 20.9993, 12.2346 by changing the saturation by 10% instead.


 28.2996, 20.9993,
12.2346


 28.2996, 20.9993,
12.2346

285.9499,
257.2748, 216.9850


 18.6932, 13.1235,
6.7792


 56.3677, 45.0864,
30.5924


 11.5515, 7.5136,
3.2480


 75.5602, 62.0664,
44.3319


 6.5091, 3.7853,
1.2226


 98.6787, 82.8500,
61.6699

 3.2006, 1.5542,
0.0000

 126.0887,
107.8215, 83.0248

 1.2607, 0.3264,
0.0000

 158.1554,
137.3654, 108.8152

 0.1535, 0.0000,
0.0000

195.2443,

 0.0000, 0.0000,

171.8659, 139.4597

0.0000

237.7207,
211.7076, 175.3768

■ 28.2996, 20.9993,
12.2346

■ 28.2996, 20.9993,
12.2346

■ 26.0917, 17.7320,
7.9585

■ 31.0857, 25.0819,
17.7560

■ 24.4197, 15.2221,
4.8296

■ 34.4853, 30.0259,
24.6081

■ 23.2379, 13.4094,
2.7372

■ 38.5326, 35.8782,
32.8701

■ 22.4921, 12.2230,
1.5479

■ 43.2589, 42.6809,
42.6149

■ 22.1907, 11.7344,
1.0954

■ 48.6934, 50.4738,
53.9100

■ 54.8638, 59.2944,
66.8190

■ 61.7960, 69.1781,
81.4019

■ 69.5149, 80.1587,
97.7156

■ 75.8022, 90.0774,
107.9992

Harmonies

Analogous

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



29.9238, 20.9993, 22.2759



28.2996, 20.9993, 12.2346



24.4004, 20.9993, 7.2776

Triad

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



28.2996, 20.9993, 12.2346



13.2846, 20.9993, 12.9251



20.1673, 20.9993, 57.6811

Complementary

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



28.2996, 20.9993, 12.2346



30.9815, 40.3027, 56.5981

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.



16.0926, 20.9993, 52.2577



28.2996, 20.9993, 12.2346



12.4959, 20.9993, 23.4637

Square

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



28.2996, 20.9993, 12.2346



15.7834, 20.9993, 7.5580



13.4433, 20.9993, 38.3513



24.8133, 20.9993, 51.2340

Rectangle

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



28.2996, 20.9993, 12.2346



21.2861, 20.9993, 6.0694



13.4433, 20.9993, 38.3513



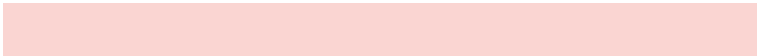
18.6887, 20.9993, 57.1760

Sweetspot

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



28.3001, 21.0004, 12.2350



74.9088, 72.7504, 71.0120



34.3439, 22.1281, 48.0376



15.6880, 15.0572, 14.4453



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.



28.3001, 21.0004, 12.2350



46.1774, 30.9330, 13.2017



34.7574, 33.9150, 14.3874



10.1424, 10.2163, 10.4993



14.7851, 7.8560, 0.7371



0.6635, 0.3887, 0.0401

Inverse Universe

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



30.9815, 40.3027, 56.5981



51.4242, 69.0109, 100.9704



22.2183, 22.7763, 53.6771



10.2908, 11.2729, 12.9183



16.7746, 23.3056, 37.1709



0.7473, 1.0520, 1.6136

Previews

White Background



This preview shows how the XYZ color 28.2996, 20.9993, 12.2346 looks on a white background.

Color Contrast Check

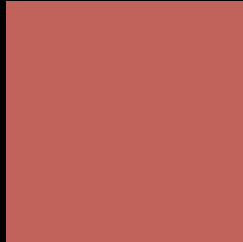
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2996, 20.9993, 12.2346 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 28.2996, 20.9993, 12.2346

Background



This preview shows how black text looks on a background with the XYZ color 28.2996, 20.9993, 12.2346.



This preview shows how white text looks on a background with the XYZ color 28.2996, 20.9993,

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

28.2996, 20.9993, 12.2346

Protanopia

19.9793, 21.2889, 15.6265

Deuteranopia

21.4660, 21.0220, 11.7304



Tritanopia

29.0215, 21.0182, 15.6240

Trichromacy



Original Color

28.2996, 20.9993, 12.2346

Protanomaly

22.2762, 20.6723, 14.3714

Deuteranomaly

23.5618, 20.7139, 11.7732

Tritanomaly

28.8679, 21.1056, 14.3567

Monochromacy



Original Color

28.2996, 20.9993, 12.2346

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.8037, 20.1671, 18.3662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2996, 20.9993, 12.2346 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, 99, 90)` looks like.

```
.text, #text, p{  
    color:rgb(193, 99, 90)  
}
```

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, 99, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 99, 90) }
```

Border

The CSS property to change the border of an element to XYZ 28.2996, 20.9993, 12.2346 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, 99, 90) }
```


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

```
.border{ border-color:rgb(193, 99, 90) }
```

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

Here you see how a box with a 4 pixel rgb(193, 99, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 99, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 99, 90);  
box-shadow:4px 4px 4px 4px rgb(193, 99,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2996, 20.9993, 12.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 99, 90) }
```

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

```
.background{ background-color: rgb(193, 99,  
90) }
```

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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