

Converting Colors

XYZ(28.6509, 20.7175, 12.9211)

Have a look what the booklet for
XYZ(28.6509, 20.7175, 12.9211)
contains.

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Color

**XYZ(28.6643, 20.7582,
12.8519)**

Conversions

Conversions Part 1

Format	Color
Hex	C3605D
RGB	195, 96, 93
RGB Percent	76%, 38%, 36%
CMY	0.2353, 0.6235, 0.6353
CMYK	0.00, 0.51, 0.52, 0.24
HSL	2°, 46%, 56%
HSV	2°, 52%, 76%
XYZ	28.6643, 20.7582, 12.8519
YIQ	125.2590, 59.9670, 20.0550

Conversions

Conversions Part 2

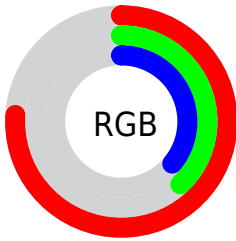
Format	Color
R_{YB}	195, 96, 93
Decimal	12804189
CIE _{Lab}	52.68, 39.25, 20.31
CIE _{LCh}	53, 44.197, 27.362
Yxy	20.7582, 0.4603, 0.3333
Android (android.graphics.Color)	4290994269 (0xFFC3605D)
YUV	125.2590, -15.9037, 61.1629
Hunter-Lab	45.5612, 32.5692, 15.1683

Details

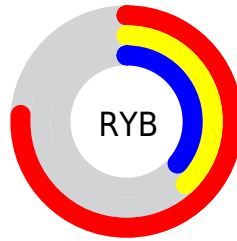
The XYZ color **28.6643, 20.7582, 12.8519** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **33.2128, 43.9638, 58.3648**, and the grayscale version is **19.6188, 20.6405, 22.4775**.

A 20% lighter version of the original color is **56.9454, 44.7381, 31.6206**, and **11.7680, 7.4004, 3.4975** is the 20% darker color. If you saturate the color by 10%, you get **26.3844, 17.4089, 8.3604**, and if you desaturate by 10%, it is **31.5811, 25.0290, 18.6424**.

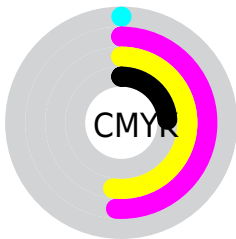
Distribution



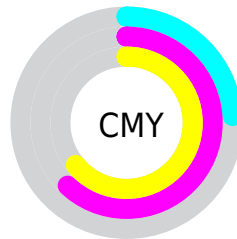
- Red (76%)
- Green (38%)
- Blue (36%)



- Red (76%)
- Yellow (38%)
- Blue (36%)



- Cyan (0%)
- Magenta (51%)
- Yellow (52%)
- Black (24%)





- Cyan (24%)
- Magenta (62%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6643, 20.7582, 12.8519 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 28.6643, 20.7582, 12.8519 by changing the saturation by 10% instead.

 28.6643, 20.7582,
12.8519

 28.6643, 20.7582,
12.8519


287.6506,
255.9907, 221.1407


 18.9700, 12.9474,
7.1971


 56.9446, 44.6848,
31.7247

 11.7525, 7.3923,
3.5054


 76.2612, 61.5693,
45.7799

 6.6464, 3.7086,
1.3581


 99.5161, 82.2472,
63.4722

 3.2863, 1.5120,
0.1087

 127.0745,
107.1028, 85.2203

 1.3069, 0.2971,
0.0000

159.3018,
136.5206, 111.4426

 0.1884, 0.0000,
0.0000

196.5633,

 0.0000, 0.0000,

170.8849, 142.5578

0.0000

239.2245,
210.5801, 178.9843

■ 28.6643, 20.7582,
12.8519

■ 28.6643, 20.7582,
12.8519

■ 26.3844, 17.4089,
8.3604

■ 31.5811, 25.0290,
18.6424

■ 24.6923, 14.9102,
5.0667

■ 35.1758, 30.2787,
25.8205

■ 23.5347, 13.1867,
2.8564

■ 39.4879, 36.5640,
34.4681

■ 22.8473, 12.1477,
1.5925

■ 44.5532, 43.9363,
44.6607

■ 22.5679, 11.7268,
1.0740

■ 50.4055, 52.4434,
56.4685

■ 57.0762, 62.1306,
69.9573

■ 64.5951, 73.0405,
85.1893

■ 72.9905, 85.2136,
102.2237

■ 76.3155, 90.3420,
108.0232

Harmonies

Analogous

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



29.9389, 20.7582, 23.7869



28.6643, 20.7582, 12.8519



24.8897, 20.7582, 7.2874

Triad

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



28.6643, 20.7582, 12.8519



13.1852, 20.7582, 11.5165



19.3262, 20.7582, 58.4784

Complementary

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



28.6643, 20.7582, 12.8519



33.2128, 43.9638, 58.3648

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.



15.3378, 20.7582, 51.3124



28.6643, 20.7582, 12.8519



12.1539, 20.7582, 21.4574

Square

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



28.6643, 20.7582, 12.8519



15.9410, 20.7582, 6.7534



12.8768, 20.7582, 36.3429



24.0764, 20.7582, 53.3505

Rectangle

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



28.6643, 20.7582, 12.8519



21.7272, 20.7582, 5.8097



12.8768, 20.7582, 36.3429



17.8592, 20.7582, 57.3804

Sweetspot

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



28.6648, 20.7593, 12.8523



76.0558, 73.2495, 72.4557



36.0790, 23.2945, 53.2221



16.2383, 15.4337, 15.0276



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.



28.6648, 20.7593, 12.8523



46.6783, 30.3299, 13.8446



34.7141, 32.8578, 14.8687



10.0965, 10.1244, 10.4839



14.6789, 7.6435, 0.7017



0.6426, 0.3470, 0.0331

Inverse Universe

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



33.2128, 43.9638, 58.3648



55.6922, 76.3946, 104.2801



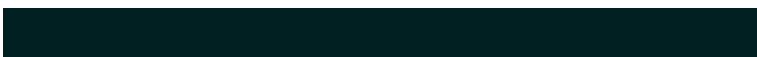
24.0823, 25.7028, 55.3213



10.3423, 11.3759, 12.9355



18.2766, 26.3096, 37.6716



0.7978, 1.1530, 1.6304

Previews

White Background



This preview shows how the XYZ color 28.6643, 20.7582, 12.8519 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 28.6643, 20.7582, 12.8519 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 28.6643, 20.7582, 12.8519

Background



This preview shows how black text looks on a background with the XYZ color 28.6643, 20.7582, 12.8519.



This preview shows how white text looks on a background with the XYZ color 28.6643, 20.7582,

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

28.6643, 20.7582, 12.8519

Protanopia

19.7876, 20.9698, 16.9146

Deuteranopia

21.2182, 20.8800, 12.3631



Tritanopia

29.2061, 20.8598, 14.7989

Trichromacy



Original Color

28.6643, 20.7582, 12.8519

Protanomaly

22.2393, 20.2887, 15.3143

Deuteranomaly

23.3655, 20.4335, 12.3854

Tritanomaly

29.0618, 20.8020, 14.0387

Monochromacy



Original Color

28.6643, 20.7582, 12.8519

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.5756, 19.7109, 18.2902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6643, 20.7582, 12.8519 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(195, 96, 93)` looks like.

```
.text, #text, p{  
    color:rgb(195, 96, 93)  
}
```

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(195, 96, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 96, 93) }
```

Border

The CSS property to change the border of an element to XYZ 28.6643, 20.7582, 12.8519 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(195, 96, 93) }
```


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

```
.border{ border-color:rgb(195, 96, 93) }
```

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

Here you see how a box with a 4 pixel rgb(195, 96, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 96, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 96, 93);  
box-shadow:4px 4px 4px 4px rgb(195, 96,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6643, 20.7582, 12.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 96, 93) }
```

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

```
.background{ background-color: rgb(195, 96,  
93) }
```

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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