

Converting Colors

XYZ(22.7716, 12.9464, 3.6062)

Have a look what the booklet for
XYZ(22.7716, 12.9464, 3.6062)
contains.

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Color

**XYZ(22.7858, 12.9785,
3.5897)**

Conversions

Conversions Part 1

Format	Color
Hex	BF2B2B
RGB	191, 43, 43
RGB Percent	75%, 17%, 17%
CMY	0.2510, 0.8313, 0.8314
CMYK	0.00, 0.77, 0.77, 0.25
HSL	0°, 63%, 46%
HSV	0°, 77%, 75%
XYZ	22.7858, 12.9785, 3.5897
YIQ	87.2520, 88.2080, 31.3760

Conversions

Conversions Part 2

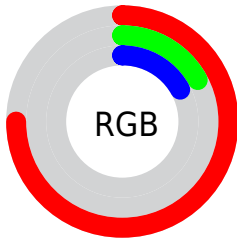
Format	Color
R_{YB}	191, 43, 43
Decimal	12528427
CIE _{Lab}	42.73, 57.46, 37.13
CIE _{LCh}	43, 68.410, 32.871
Yxy	12.9785, 0.5790, 0.3298
Android (android.graphics.Color)	4290718507 (0xFFBF2B2B)
YUV	87.2520, -21.8162, 90.9870
Hunter-Lab	36.0257, 49.8541, 19.3102

Details

The XYZ color **22.7858, 12.9785, 3.5897** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **29.0288, 41.5322, 55.7765**, and the grayscale version is **9.1467, 9.6230, 10.4795**.

A 20% lighter version of the original color is **47.4276, 31.2948, 12.9920**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **21.9744, 11.7915, 1.9766**, and if you desaturate by 10%, it is **24.0866, 14.8824, 6.1751**.

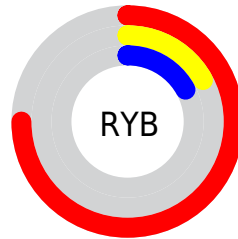
Distribution



Red (75%)

Green (17%)

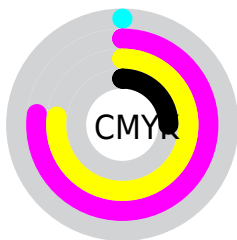
Blue (17%)



Red (75%)

Yellow (17%)

Blue (17%)

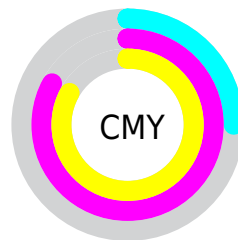


Cyan (0%)

Magenta (77%)

Yellow (77%)

Black (25%)



Cyan (25%)


Magenta (83%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7858, 12.9785, 3.5897 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 22.7858, 12.9785, 3.5897 by changing the saturation by 10% instead.


 22.7858, 12.9785,
3.5897

 22.7858, 12.9785,
3.5897


259.1788,
210.7798, 143.5495


 14.5552, 7.4137,
1.4031


 47.5106, 31.2652,
13.0519


 8.5921, 3.7222,
0.1441


 64.7356, 44.7558,
21.1645


 4.5311, 1.5194,
0.0000

 85.6894, 61.6573,
32.0895

 2.0068, 0.3023,
0.0000

 110.7375, 82.3539,
46.2454

 0.6378, 0.0000,
0.0000

 140.2451,
107.2301, 64.0509

 0.0000, 0.0000,
0.0000

 174.5776,

136.6702, 85.9243

214.1004,
171.0586, 112.2843

■ 22.7858, 12.9785,
3.5897

■ 22.7858, 12.9785,
3.5897

■ 21.9744, 11.7915,
1.9766

■ 24.0866, 14.8824,
6.1751

■ 21.5643, 11.1913,
1.1614

■ 25.9364, 17.5893,
9.8522

■ 21.4859, 11.0766,
1.0056

■ 28.3873, 21.1756,
14.7242

■ 31.4849, 25.7083,
20.8820

■ 35.2706, 31.2478,
28.4078

■ 39.7822, 37.8497,
37.3768

■ 45.0550, 45.5653,
47.8591

■ 51.1218, 54.4426,
59.9197

■ 58.0135, 64.5270,
73.6204

Harmonies

Analogous

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



25.2620, 12.9785, 12.7447



22.7858, 12.9785, 3.5897



17.4809, 12.9785, 0.8942

Triad

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



22.7858, 12.9785, 3.5897



5.4043, 12.9785, 4.6815



12.8434, 12.9785, 66.3787

Complementary

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



22.7858, 12.9785, 3.5897



29.0288, 41.5322, 55.7765

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.



8.3143, 12.9785, 58.0195



22.7858, 12.9785, 3.5897



4.8008, 12.9785, 15.6151

Square

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



22.7858, 12.9785, 3.5897



7.6650, 12.9785, 1.1439



5.6984, 12.9785, 36.0731



18.5986, 12.9785, 54.4182

Rectangle

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



22.7858, 12.9785, 3.5897



13.6188, 12.9785, 0.4050



5.6984, 12.9785, 36.0731



11.1357, 12.9785, 65.8599

Sweetspot

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



22.7861, 12.9793, 3.5899



66.3399, 60.6036, 57.1801



31.7536, 16.5657, 50.8139



13.9474, 12.4004, 11.3232



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.



22.7861, 12.9793, 3.5899



38.7906, 20.2905, 2.4153



28.2831, 23.9734, 5.4222



9.5302, 9.5365, 9.9151



14.1203, 7.2795, 0.6609



0.5531, 0.2852, 0.0259

Inverse Universe

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



29.0288, 41.5322, 55.7765



50.4426, 73.5854, 99.8239



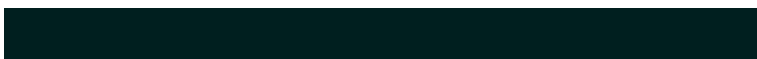
16.7615, 16.9978, 51.6874



9.8086, 10.8095, 12.2417



18.4223, 26.9563, 36.6250



0.7216, 1.0559, 1.4346

Previews

White Background



This preview shows how the XYZ color 22.7858, 12.9785, 3.5897 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 22.7858, 12.9785, 3.5897 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 22.7858, 12.9785, 3.5897

Background



This preview shows how black text looks on a background with the XYZ color 22.7858, 12.9785, 3.5897.



This preview shows how white text looks on a background with the XYZ color 22.7858, 12.9785,

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

22.7858, 12.9785, 3.5897

Protanopia

12.2758, 13.2844, 6.3320

Deuteranopia

13.4375, 13.2429, 3.2144



Tritanopia

22.8044, 12.9860, 3.6875

Trichromacy



Original Color

22.7858, 12.9785, 3.5897

Protanomaly

14.5928, 11.8139, 5.0012

Deuteranomaly

15.7348, 12.0144, 3.1588

Tritanomaly

22.8044, 12.9860, 3.6875

Monochromacy



Original Color

22.7858, 12.9785, 3.5897

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.8480, 9.3214, 7.1360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7858, 12.9785, 3.5897 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(191, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(191, 43, 43)  
}
```

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(191, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 43, 43) }
```

Border

The CSS property to change the border of an element to XYZ 22.7858, 12.9785, 3.5897 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(191, 43, 43) }
```


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

```
.border{ border-color:rgb(191, 43, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 43, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(191, 43,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7858, 12.9785, 3.5897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 43, 43) }
```

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

```
.background{ background-color: rgb(191, 43,  
43) }
```

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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