

Converting Colors

XYZ(22.5261, 12.7612, 2.5722)

Have a look what the booklet for
XYZ(22.5261, 12.7612, 2.5722)
contains.

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Color

**XYZ(22.5261, 12.7612,
2.5722)**

Conversions

Conversions Part 1

Format	Color
Hex	BF291F
RGB	191, 41, 31
RGB Percent	75%, 16%, 12%
CMY	0.2510, 0.8392, 0.8784
CMYK	0.00, 0.79, 0.84, 0.25
HSL	4°, 72%, 44%
HSV	4°, 84%, 75%
XYZ	22.5261, 12.7612, 2.5722
YIQ	84.7100, 92.6100, 28.6900

Conversions

Conversions Part 2

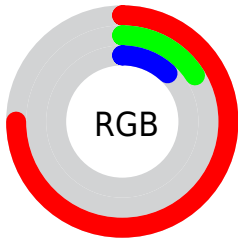
Format	Color
R_{YB}	191, 42, 31
Decimal	12527903
CIE _{Lab}	42.40, 57.69, 43.30
CIE _{LCh}	42, 72.138, 36.892
Yxy	12.7612, 0.5950, 0.3371
Android (android.graphics.Color)	4290717983 (0xFFBF291F)
YUV	84.7100, -26.4790, 93.2163
Hunter-Lab	35.7228, 50.0436, 20.7368

Details

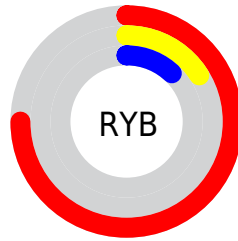
The XYZ color **22.5261, 12.7612, 2.5722** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.4901, 37.0951, 55.0536**, and the grayscale version is **8.6152, 9.0638, 9.8705**.

A 20% lighter version of the original color is **47.1367, 30.9102, 10.5031**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **21.8600, 11.7197, 1.4546**, and if you desaturate by 10%, it is **23.6233, 14.4269, 4.5686**.

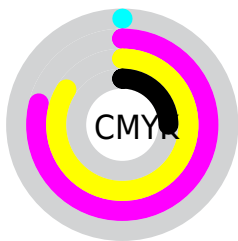
Distribution



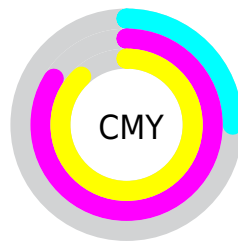
- Red (75%)
- Green (16%)
- Blue (12%)



- Red (75%)
- Yellow (16%)
- Blue (12%)



- Cyan (0%)
- Magenta (79%)
- Yellow (84%)
- Black (25%)





- Cyan (25%)
- Magenta (84%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5261, 12.7612, 2.5722 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 22.5261, 12.7612, 2.5722 by changing the saturation by 10% instead.


 22.5261, 12.7612,
2.5722


 22.5261, 12.7612,
2.5722


257.8626,
209.3815, 130.7102


 14.3627, 7.2643,
0.8781


 47.0864, 30.8741,
10.5532


 8.4568, 3.6279,
0.0000


 64.2141, 44.2589,
17.6797


 4.4428, 1.4677,
0.0000

 85.0605, 61.0418,
27.4549

 1.9556, 0.2658,
0.0000

 109.9912, 81.6072,
40.2973

 0.6088, 0.0000,
0.0000

 139.3714,
106.3395, 56.6255

 0.0000, 0.0000,
0.0000

 173.5664,

135.6230, 76.8580

212.9417,
169.8422, 101.4134

22.5261, 12.7612,
2.5722

22.5261, 12.7612,
2.5722

21.8600, 11.7197,
1.4546

23.6233, 14.4269,
4.5686

21.6166, 11.3381,
1.0491

25.2075, 16.7914,
7.5753

27.3272, 19.9212,
11.7027

30.0247, 23.8745,
17.0463

33.3381, 28.7039,
23.6915

■ 37.3021, 34.4576,
31.7162

■ 41.9490, 41.1802,
41.1918

■ 47.3089, 48.9136,
52.1852

■ 53.4101, 57.6971,
64.7589

Harmonies

Analogous

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



25.7058, 12.7612, 10.6104



22.5261, 12.7612, 2.5722



16.6991, 12.7612, 0.4723

Triad

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



22.5261, 12.7612, 2.5722



4.8441, 12.7612, 5.1609



13.4239, 12.7612, 69.6289

Complementary

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



22.5261, 12.7612, 2.5722



26.4901, 37.0951, 55.0536

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.



8.4797, 12.7612, 63.4374



22.5261, 12.7612, 2.5722



4.4428, 12.7612, 17.7953

Square

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



22.5261, 12.7612, 2.5722



6.8845, 12.7612, 1.0820



5.5549, 12.7612, 40.6376



19.5275, 12.7612, 54.0773

Rectangle

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



22.5261, 12.7612, 2.5722



12.7033, 12.7612, 0.0751



5.5549, 12.7612, 40.6376



11.5725, 12.7612, 70.1334

Sweetspot

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



22.5264, 12.7620, 2.5724



65.5725, 59.9222, 54.2932



30.5228, 15.4751, 46.1776



13.8297, 12.3324, 10.7682



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.



22.5264, 12.7620, 2.5724



38.6590, 20.1932, 1.8601



28.3298, 24.3688, 4.5069



9.5768, 9.6296, 9.9306



14.2276, 7.4940, 0.6966



0.5739, 0.3267, 0.0328

Inverse Universe

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



26.4901, 37.0951, 55.0536



45.6628, 64.3774, 98.2985



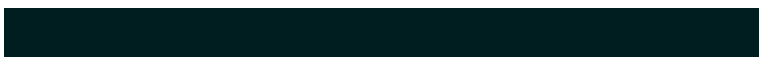
14.8192, 13.7533, 51.1633



9.7561, 10.7045, 12.2242



16.8024, 23.7166, 36.0851



0.6738, 0.9602, 1.4187

Previews

White Background



This preview shows how the XYZ color 22.5261, 12.7612, 2.5722 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



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 22.5261, 12.7612, 2.5722

Background



This preview shows how black text looks on a background with the XYZ color 22.5261, 12.7612, 2.5722.



This preview shows how white text looks on a background with the XYZ color 22.5261, 12.7612,

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

22.5261, 12.7612, 2.5722

Protanopia

11.8289, 12.9494, 4.4608

Deuteranopia

13.1454, 12.9791, 2.1290



Tritanopia

22.6277, 12.7472, 3.2753

Trichromacy



Original Color

22.5261, 12.7612, 2.5722

Protanomaly

14.1807, 11.4148, 3.5537

Deuteranomaly

15.4561, 11.7919, 2.0337

Tritanomaly

22.5786, 12.7275, 3.0169

Monochromacy



Original Color

22.5261, 12.7612, 2.5722

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

11.3944, 8.9230, 6.1228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5261, 12.7612, 2.5722 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, 41, 31)` looks like.

```
.text, #text, p{  
    color:rgb(191, 41, 31)  
}
```

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, 41, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 41, 31) }
```

Border

The CSS property to change the border of an element to XYZ 22.5261, 12.7612, 2.5722 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, 41, 31) }
```


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

```
.border{ border-color:rgb(191, 41, 31) }
```

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

Here you see how a box with a 4 pixel rgb(191, 41, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 41, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 41, 31);  
box-shadow:4px 4px 4px 4px rgb(191, 41,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5261, 12.7612, 2.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 41, 31) }
```

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

```
.background{ background-color: rgb(191, 41,  
31) }
```

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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