

Converting Colors

XYZ(22.7182, 13.2581, 1.9835)

Have a look what the booklet for
XYZ(22.7182, 13.2581, 1.9835)
contains.

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Color

**XYZ(22.6604, 13.2373,
1.9768)**

Conversions

Conversions Part 1

Format	Color
Hex	BF3013
RGB	191, 48, 19
RGB Percent	75%, 19%, 7%
CMY	0.2510, 0.8117, 0.9255
CMYK	0.00, 0.75, 0.90, 0.25
HSL	10°, 82%, 41%
HSV	10°, 90%, 75%
XYZ	22.6604, 13.2373, 1.9768
YIQ	87.4510, 94.5370, 21.2970

Conversions

Conversions Part 2

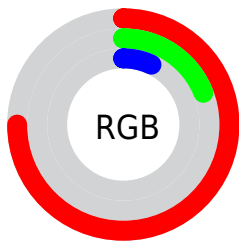
Format	Color
R_{YB}	191, 54, 19
Decimal	12529683
CIE Lab	43.12, 55.21, 49.36
CIE LCh	43, 74.064, 41.798
Yxy	13.2373, 0.5983, 0.3495
Android (android.graphics.Color)	4290719763 (0xFFBF3013)
YUV	87.4510, -33.7463, 90.8125
Hunter-Lab	36.3831, 47.5043, 22.2468

Details

The XYZ color **22.6604, 13.2373, 1.9768** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **22.5910, 29.7371, 53.8391**, and the grayscale version is **9.2139, 9.6937, 10.5565**.

A 20% lighter version of the original color is **47.3047, 31.7684, 8.9489**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **22.0081, 12.1209, 1.1796**, and if you desaturate by 10%, it is **23.6644, 14.8712, 3.4654**.

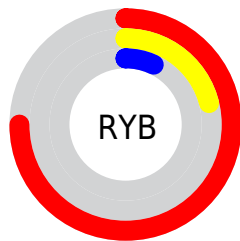
Distribution



Red (75%)

Green (19%)

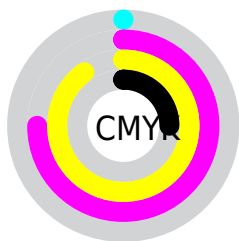
Blue (7%)



Red (75%)

Yellow (21%)

Blue (7%)

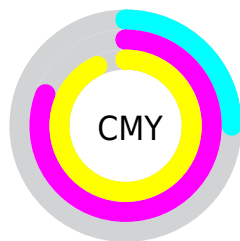


Cyan (0%)

Magenta (75%)

Yellow (90%)

Black (25%)



Cyan (25%)

Magenta (81%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6604, 13.2373, 1.9768 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 22.6604, 13.2373, 1.9768 by changing the saturation by 10% instead.

■ 22.6604, 13.2373,
1.9768

■ 22.6604, 13.2373,
1.9768

258.5439,
212.4329, 122.0155

■ 14.4623, 7.5922,
0.5410

■ 47.3059, 31.7294,
8.9773

■ 8.5267, 3.8351,
0.0000

■ 64.4839, 45.3452,
15.4379

■ 4.4884, 1.5818,
0.0000

■ 85.3860, 62.3867,
24.4302

■ 1.9820, 0.3453,
0.0000

■ 110.3774, 83.2382,
36.3727


■ 0.6238, 0.0000,
0.0000


■ 139.8236,
108.2842, 51.6839


■ 0.0000, 0.0000,
0.0000


■ 174.0898,


137.9091, 70.7825


 213.5415,
172.4972, 94.0868


 22.6604, 13.2373,
1.9768


 22.6604, 13.2373,
1.9768


 22.0081, 12.1209,
1.1796

 23.6644, 14.8712,
3.4654

 25.0810, 17.0771,
5.8715

 26.9514, 19.9036,
9.3137

 29.3114, 23.3936,
13.8928

 32.1931, 27.5858,
19.6972

■ 35.6258, 32.5160,
26.8070

■ 39.6365, 38.2177,
35.2952

■ 44.2505, 44.7222,
45.2294

■ 49.4915, 52.0590,
56.6727

Harmonies

Analogous

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



26.6655, 13.2373, 8.8965



22.6604, 13.2373, 1.9768



16.3291, 13.2373, 0.2786

Triad

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



22.6604, 13.2373, 1.9768



4.7727, 13.2373, 6.6578



14.9606, 13.2373, 72.2302

Complementary

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



22.6604, 13.2373, 1.9768



22.5910, 29.7371, 53.8391

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.



9.4564, 13.2373, 69.6021



22.6604, 13.2373, 1.9768



4.6084, 13.2373, 21.8385

Square

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



22.6604, 13.2373, 1.9768



6.5948, 13.2373, 1.3874



6.0472, 13.2373, 47.1325



21.4014, 13.2373, 52.8154

Rectangle

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



22.6604, 13.2373, 1.9768



12.2407, 13.2373, 0.0220



6.0472, 13.2373, 47.1325



12.9289, 13.2373, 74.1452

Sweetspot

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



22.6607, 13.2381, 1.9770



65.5895, 60.7807, 51.7576



28.2699, 14.1626, 35.5815



13.8905, 12.6157, 10.2902



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.



22.6607, 13.2381, 1.9770



39.2993, 21.4739, 2.0736



30.0824, 28.0815, 4.4509



9.6567, 9.7895, 9.9572



14.5045, 8.0479, 0.7889



0.6091, 0.3972, 0.0446

Inverse Universe

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



22.5910, 29.7371, 53.8391



38.8252, 50.7023, 96.0194



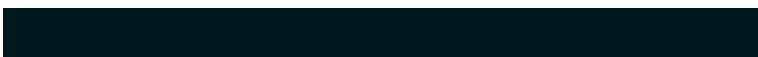
12.2800, 9.1150, 50.4021



9.6679, 10.5282, 12.1948



14.3549, 18.8216, 35.2692



0.5992, 0.8110, 1.3938

Previews

White Background



This preview shows how the XYZ color 22.6604, 13.2373, 1.9768 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 22.6604, 13.2373, 1.9768 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 22.6604, 13.2373, 1.9768

Background



This preview shows how black text looks on a background with the XYZ color 22.6604, 13.2373, 1.9768.



This preview shows how white text looks on a background with the XYZ color 22.6604, 13.2373,

1.9768.

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

22.6604, 13.2373, 1.9768

Protanopia

12.1812, 13.4496, 3.3205

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

23.1698, 13.2805, 3.9270

Trichromacy



Original Color

22.6604, 13.2373, 1.9768

Protanomaly

14.6188, 12.1053, 2.6030

Deuteranomaly

15.8559, 12.4281, 1.7642

Tritanomaly

23.0337, 13.2878, 3.0199

Monochromacy



Original Color

22.6604, 13.2373, 1.9768

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.7095, 9.4729, 5.7687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6604, 13.2373, 1.9768 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, 48, 19)` looks like.

```
.text, #text, p{  
    color:rgb(191, 48, 19)  
}
```

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, 48, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 48, 19) }
```

Border

The CSS property to change the border of an element to XYZ 22.6604, 13.2373, 1.9768 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, 48, 19) }
```


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

```
.border{ border-color:rgb(191, 48, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 48, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 48, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 48, 19);  
box-shadow:4px 4px 4px 4px rgb(191, 48,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6604, 13.2373, 1.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 48, 19) }
```

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

```
.background{ background-color: rgb(191, 48,  
19) }
```

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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