

Converting Colors

XYZ(20.8462, 13.0558, 2.0765)

Have a look what the booklet for
XYZ(20.8462, 13.0558, 2.0765)
contains.

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Color

**XYZ(20.7463, 13.0022,
2.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	B53B14
RGB	181, 59, 20
RGB Percent	71%, 23%, 8%
CMY	0.2902, 0.7686, 0.9216
CMYK	0.00, 0.67, 0.89, 0.29
HSL	15°, 80%, 39%
HSV	15°, 89%, 71%
XYZ	20.7463, 13.0022, 2.0780
YIQ	91.0320, 85.2310, 13.7350

Conversions

Conversions Part 2

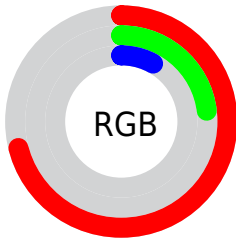
Format	Color
R_{YB}	181, 71, 20
Decimal	11877140
CIE Lab	42.77, 47.75, 47.87
CIE LCh	43, 67.613, 45.078
Yxy	13.0022, 0.5791, 0.3629
Android (android.graphics.Color)	4290067220 (0xFFB53B14)
YUV	91.0320, -35.0188, 78.9019
Hunter-Lab	36.0586, 39.5975, 21.8242

Details

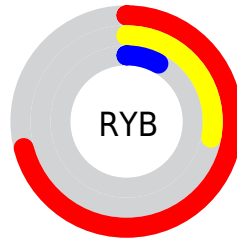
The XYZ color **20.7463, 13.0022, 2.0780** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.3007, 22.8285, 47.1576**, and the grayscale version is **10.0155, 10.5370, 11.4748**.

A 20% lighter version of the original color is **44.1458, 31.2388, 9.1718**, and **7.7457, 3.9931, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **20.0160, 11.7271, 1.2632**, and if you desaturate by 10%, it is **21.7718, 14.6930, 3.5308**.

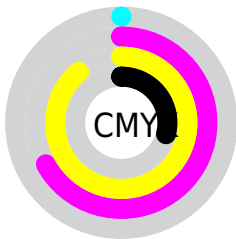
Distribution



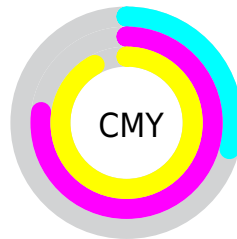
- Red (71%)
- Green (23%)
- Blue (8%)



- Red (71%)
- Yellow (28%)
- Blue (8%)



- Cyan (0%)
- Magenta (67%)
- Yellow (89%)
- Black (29%)





- Cyan (29%)
- Magenta (77%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7463, 13.0022, 2.0780 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 20.7463, 13.0022, 2.0780 by changing the saturation by 10% instead.


 20.7463, 13.0022,
2.0780


 20.7463, 13.0022,
2.0780


248.6844,
210.9318, 123.5764


 13.0501, 7.4301,
0.6026


 44.1594, 31.3077,
9.2530


 7.5403, 3.7325,
0.0000


 60.6070, 44.8099,
15.8330

 3.8515, 1.5251,
0.0000

 80.7024, 61.7242,
24.9661

 1.6185, 0.3063,
0.0000

 104.8110, 82.4351,
37.0707

 0.4044, 0.0000,
0.0000


 133.2982,
107.3269, 52.5656


 0.0000, 0.0000,
0.0000


 166.5292,


136.7840, 71.8691


 204.8695,
171.1908, 95.3999


 20.7463, 13.0022,
2.0780


 20.7463, 13.0022,
2.0780

 20.0160, 11.7271,
1.2632


 21.7718, 14.6930,
3.5308

 19.9512, 11.6142,
1.1902

 23.1375, 16.8368,
5.7975

 24.8739, 19.4657,
8.9780

 27.0075, 22.6080,
13.1575

 29.5624, 26.2897,
18.4114

■ 32.5604, 30.5351,
24.8076

■ 36.0219, 35.3670,
32.4085

■ 39.9661, 40.8067,
41.2720

■ 44.4109, 46.8746,
51.4522

Harmonies

Analogous

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



24.5880, 13.0022, 7.9904



20.7463, 13.0022, 2.0780



15.0858, 13.0022, 0.5874

Triad

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



20.7463, 13.0022, 2.0780



5.0501, 13.0022, 8.0412



15.1153, 13.0022, 62.9437

Complementary

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



20.7463, 13.0022, 2.0780



18.3007, 22.8285, 47.1576

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.



9.9810, 13.0022, 62.9974



20.7463, 13.0022, 2.0780



5.0539, 13.0022, 22.8834

Square

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



20.7463, 13.0022, 2.0780



6.5920, 13.0022, 2.0931



6.6045, 13.0022, 45.2004



20.7731, 13.0022, 45.0829

Rectangle

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



20.7463, 13.0022, 2.0780



11.5029, 13.0022, 0.4466



6.6045, 13.0022, 45.2004



13.2549, 13.0022, 65.3101

Sweetspot

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



20.7466, 13.0030, 2.0782



59.1909, 55.9175, 46.3306



24.2969, 12.3203, 27.2564



12.3764, 11.4996, 9.1111



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.7466, 13.0030, 2.0782



35.5843, 20.5046, 2.0823



28.2802, 28.0702, 4.5894



8.6580, 8.8286, 8.9003



13.8006, 8.0998, 0.8360



0.4804, 0.3472, 0.0417

Inverse Universe

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



18.3007, 22.8285, 47.1576



30.8103, 37.7204, 83.9515



10.4028, 7.0326, 44.5249



8.5648, 9.2757, 10.8453



11.9871, 14.7746, 32.3570



0.4193, 0.5491, 1.0321

Previews

White Background



This preview shows how the XYZ color 20.7463, 13.0022, 2.0780 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 20.7463, 13.0022, 2.0780 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 20.7463, 13.0022, 2.0780

Background



This preview shows how black text looks on a background with the XYZ color 20.7463, 13.0022, 2.0780.



This preview shows how white text looks on a background with the XYZ color 20.7463, 13.0022,

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

20.7463, 13.0022, 2.0780

Protanopia

11.9381, 13.1791, 3.2109

Tritanopia

21.4213, 12.9829, 5.3799

Trichromacy



Original Color

20.7463, 13.0022, 2.0780

Protanomaly

14.0069, 12.1380, 2.6415

Tritanomaly

21.1602, 12.9553, 3.7682

Monochromacy



Original Color

20.7463, 13.0022, 2.0780

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.0623, 10.2587, 6.3454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7463, 13.0022, 2.0780 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(181, 59, 20)` looks like.

```
.text, #text, p{  
    color:rgb(181, 59, 20)  
}
```

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(181, 59, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 59, 20) }
```

Border

The CSS property to change the border of an element to XYZ 20.7463, 13.0022, 2.0780 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(181, 59, 20) }
```

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

```
.border{ border-color:rgb(181, 59, 20) }
```

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

Here you see how a box with a 4 pixel rgb(181, 59, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 59, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 59, 20);  
box-shadow:4px 4px 4px 4px rgb(181, 59,  
20) }
```


Background

The CSS property to change the background color of an element to XYZ 20.7463, 13.0022, 2.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 59, 20) }
```

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

```
.background{ background-color: rgb(181, 59,  
20) }
```

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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