

Converting Colors

XYZ(20.8065, 11.4986, 1.1228)

Have a look what the booklet for
XYZ(20.8065, 11.4986, 1.1228)
contains.

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Color

**XYZ(20.7662, 11.4721,
1.1198)**

Conversions

Conversions Part 1	
Format	Color
Hex	BA2000
RGB	186, 32, 0
RGB Percent	73%, 13%, 0%
CMY	0.2706, 0.8745, 1.0000
CMYK	0.00, 0.83, 1.00, 0.27
HSL	10°, 100%, 36%
HSV	10°, 100%, 73%
XYZ	20.7662, 11.4721, 1.1198
YIQ	74.3980, 102.0560, 22.6960

Conversions

Conversions Part 2

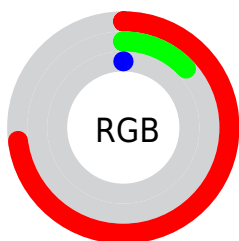
Format	Color
RYB	186, 39, 0
Decimal	12197888
CIELab	40.36, 58.19, 53.69
CIELCh	40, 79.177, 42.693
Yxy	11.4721, 0.6225, 0.3439
Android (android.graphics.Color)	4290387968 (0xFFBA2000)
YUV	74.3980, -36.6782, 97.8750
Hunter-Lab	33.8705, 50.1661, 21.7491

Details

The XYZ color **20.7662, 11.4721, 1.1198** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **20.4160, 26.6514, 50.5222**, and the grayscale version is **6.6317, 6.9770, 7.5980**.

A 20% lighter version of the original color is **44.3178, 28.5859, 6.4306**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.7664, 11.4728, 1.1200**, and if you desaturate by 10%, it is **21.3968, 12.5509, 1.8932**.

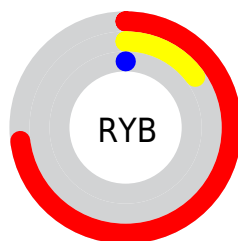
Distribution



Red (73%)

Green (13%)

Blue (0%)



Red (73%)

Yellow (15%)

Blue (0%)

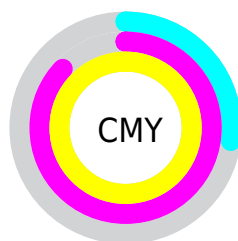


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (87%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7662, 11.4721, 1.1198 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 20.7662, 11.4721, 1.1198 by changing the saturation by 10% instead.

 20.7662, 11.4721,
1.1198

 20.7662, 11.4721,
1.1198


 248.7887,
200.8784, 106.7185


 13.0647, 6.3853,
0.0000


 44.1923, 28.5299,
6.4529


 7.5504, 3.0808,
0.0000

 60.6476, 41.2697,
11.7495

 3.8580, 1.1740,
0.0000


 80.7516, 57.3294,
19.3576

 1.6221, 0.0404,
0.0000

 104.8696, 77.0932,
29.6957


 0.4068, 0.0000,
0.0000


 133.3669,
100.9456, 43.1822


 0.0000, 0.0000,
0.0000


 166.6090,


129.2710, 60.2359


 204.9611,
162.4538, 81.2751


 20.7662, 11.4721,
1.1198


 20.7662, 11.4721,
1.1198

 20.7664, 11.4728,
1.1200


 21.3968, 12.5509,
1.8932

 22.3537, 14.1080,
3.3117


 23.6978, 16.2012,
5.5939


 25.4671, 18.8748,
8.8503

 27.6947, 22.1681,
13.1750

 30.4105, 26.1171,
18.6509

 33.6417, 30.7550,
25.3526

 37.4134, 36.1127,
33.3484

 41.7492, 42.2191,
42.7018

Harmonies

Analogous

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



24.9609, 11.4721, 6.9121



20.7662, 11.4721, 1.1198



14.3928, 11.4721, 0.0000

Triad

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



20.7662, 11.4721, 1.1198



3.5643, 11.4721, 5.4319



13.4180, 11.4721, 72.2226

Complementary

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



20.7662, 11.4721, 1.1198



20.4160, 26.6514, 50.5222

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.



8.0299, 11.4721, 70.1921



20.7662, 11.4721, 1.1198



3.4599, 11.4721, 20.4720

Square

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



20.7662, 11.4721, 1.1198



5.1550, 11.4721, 0.7969



4.7953, 11.4721, 46.7361



19.8475, 11.4721, 51.0522

Rectangle

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



20.7662, 11.4721, 1.1198



10.4107, 11.4721, 0.0000



4.7953, 11.4721, 46.7361



11.4124, 11.4721, 74.5418

Sweetspot

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



20.7664, 11.4728, 1.1200



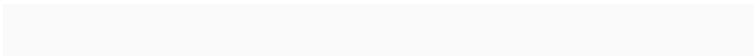
60.6645, 55.2980, 45.2960



26.1659, 12.8056, 32.1027



12.7915, 11.3646, 8.7905



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.7664, 11.4728, 1.1200



37.5211, 20.5560, 1.9901



27.4571, 24.8542, 3.3502



9.1263, 9.2555, 9.4124



14.0101, 7.7966, 0.7665



0.5327, 0.3524, 0.0399

Inverse Universe

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



20.4160, 26.6514, 50.5222



36.8474, 47.9914, 91.5226



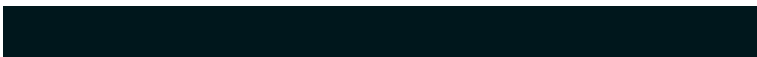
10.5855, 6.9904, 47.2454



9.1316, 9.9405, 11.5168



13.7836, 18.0268, 34.0061



0.5210, 0.7057, 1.2105

Previews

White Background



This preview shows how the XYZ color 20.7662, 11.4721, 1.1198 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 20.7662, 11.4721, 1.1198 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 20.7662, 11.4721, 1.1198

Background



This preview shows how black text looks on a background with the XYZ color 20.7662, 11.4721, 1.1198.



This preview shows how white text looks on a background with the XYZ color 20.7662, 11.4721,

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

20.7662, 11.4721, 1.1198

Protanopia

10.7360, 11.8625, 2.5344

Deuteranopia

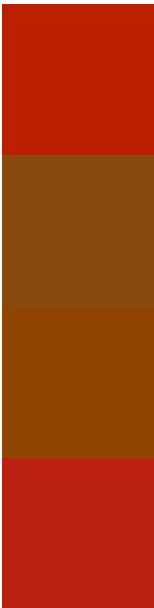
11.8532, 11.7919, 1.6513



Tritanopia

20.9357, 11.4564, 2.2703

Trichromacy



Original Color
20.7662, 11.4721, 1.1198

Protanomaly
12.7853, 10.1179, 1.7310

Deuteranomaly
13.8672, 10.4001, 1.2765

Tritanomaly
20.8489, 11.4627, 1.6859

Monochromacy



Original Color
20.7662, 11.4721, 1.1198

Achromatopsia
6.5089, 6.8478, 7.4573

Achromatomaly
9.1473, 6.9780, 3.5541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7662, 11.4721, 1.1198 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(186, 32, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 32, 0)  
}
```

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(186, 32, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 32, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7662, 11.4721, 1.1198 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(186, 32, 0) }
```


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

```
.border{ border-color:rgb(186, 32, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 32, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 32, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 32, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 32, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7662, 11.4721, 1.1198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 32, 0) }
```

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

```
.background{ background-color: rgb(186, 32,  
0) }
```

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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