

Converting Colors

XYZ(20.7613, 14.9604, 1.7934)

Have a look what the booklet for
XYZ(20.7613, 14.9604, 1.7934)
contains.

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Color

**XYZ(20.7732, 14.9674,
1.7941)**

Conversions

Conversions Part 1

Format	Color
Hex	B05000
RGB	176, 80, 0
RGB Percent	69%, 31%, 0%
CMY	0.3098, 0.6863, 1.0000
CMYK	0.00, 0.55, 1.00, 0.31
HSL	27°, 100%, 35%
HSV	27°, 100%, 69%
XYZ	20.7732, 14.9674, 1.7941
YIQ	99.5840, 82.8960, -4.5280

Conversions

Conversions Part 2

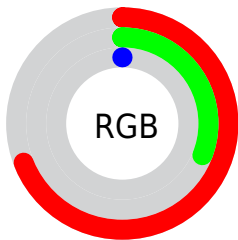
Format	Color
R_{YB}	176, 147, 0
Decimal	11554816
CIE Lab	45.59, 35.71, 55.30
CIE LCh	46, 65.823, 57.148
Yxy	14.9674, 0.5534, 0.3988
Android (android.graphics.Color)	4289744896 (0xFFB05000)
YUV	99.5840, -49.0949, 67.0168
Hunter-Lab	38.6877, 28.1413, 24.3319

Details

The XYZ color **20.7732, 14.9674, 1.7941** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.0190, 11.4997, 42.6603**, and the grayscale version is **12.1139, 12.7447, 13.8790**.

A 20% lighter version of the original color is **44.1656, 34.7255, 8.5126**, and **7.6667, 4.6416, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **20.7734, 14.9680, 1.7942**, and if you desaturate by 10%, it is **21.6333, 16.5184, 2.6035**.

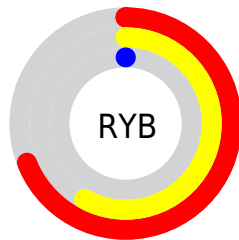
Distribution



Red (69%)

Green (31%)

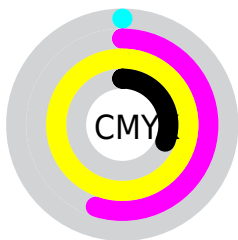
Blue (0%)



Red (69%)

Yellow (58%)

Blue (0%)

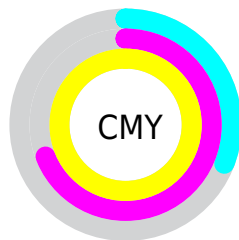


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7732, 14.9674, 1.7941 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 20.7732, 14.9674, 1.7941 by changing the saturation by 10% instead.


 20.7732, 14.9674,
1.7941


 20.7732, 14.9674,
1.7941


 248.8253,
223.1688, 119.0929


 13.0698, 8.7965,
0.4241


 44.2039, 34.7960,
8.4698


 7.5540, 4.6087,
0.0000


 60.6619, 49.2225,
14.7072


 3.8603, 2.0196,
0.0000

 80.7689, 67.1696,
23.4357

 1.6234, 0.6188,
0.0000

 104.8902, 89.0218,
35.0738


 0.4076, 0.0000,
0.0000


 133.3911,
115.1634, 50.0400


 0.0000, 0.0000,
0.0000


 166.6370,


145.9788, 68.7529


 204.9933,
181.8525, 91.6310


 20.7732, 14.9674,
1.7941

 20.7732, 14.9674,
1.7941

 20.7734, 14.9680,
1.7942

 21.6333, 16.5184,
2.6035

 22.6921, 18.3152,
3.9451

 23.9903, 20.3809,
6.0139

 25.5488, 22.7296,
8.9019

 27.3856, 25.3739,
12.6874

■ 29.5169, 28.3257,
17.4392

■ 31.9575, 31.5957,
23.2197

■ 34.7210, 35.1943,
30.0855

■ 37.8200, 39.1313,
38.0894

Harmonies

Analogous

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



25.8724, 14.9674, 6.0112



20.7732, 14.9674, 1.7941



14.7592, 14.9674, 0.8992

Triad

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



20.7732, 14.9674, 1.7941



6.0585, 14.9674, 14.8349



19.6213, 14.9674, 60.8731

Complementary

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



20.7732, 14.9674, 1.7941



12.0190, 11.4997, 42.6603

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.



13.7060, 14.9674, 69.1710



20.7732, 14.9674, 1.7941



6.7347, 14.9674, 34.4048

Square

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



20.7732, 14.9674, 1.7941



7.0596, 14.9674, 4.7654



9.2232, 14.9674, 57.3143



25.0958, 14.9674, 38.8849

Rectangle

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



20.7732, 14.9674, 1.7941



11.3287, 14.9674, 1.1043



9.2232, 14.9674, 57.3143



17.5796, 14.9674, 65.7944

Sweetspot

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



20.7735, 14.9682, 1.7944



57.7131, 56.9773, 41.5125



20.0529, 10.0895, 12.1512



12.1007, 11.8070, 8.0213



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.7735, 14.9682, 1.7944



37.4559, 26.7063, 3.1807



31.7598, 36.9408, 5.4564



8.8039, 9.1204, 8.9489



15.2989, 11.0964, 1.3355



0.5399, 0.4662, 0.0615

Inverse Universe

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



12.0190, 11.4997, 42.6603



21.5687, 20.3970, 77.2955



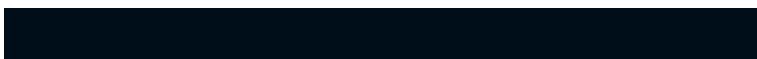
7.9320, 3.3257, 41.2980



8.4132, 8.9726, 10.7948



8.8776, 8.5556, 31.3205



0.3367, 0.3840, 1.0046

Previews

White Background



This preview shows how the XYZ color 20.7732, 14.9674, 1.7941 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 20.7732, 14.9674, 1.7941

Background



This preview shows how black text looks on a background with the XYZ color 20.7732, 14.9674, 1.7941.



This preview shows how white text looks on a background with the XYZ color 20.7732, 14.9674,

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

20.7732, 14.9674, 1.7941

Protanopia

13.7305, 15.1856, 2.6977

Deuteranopia

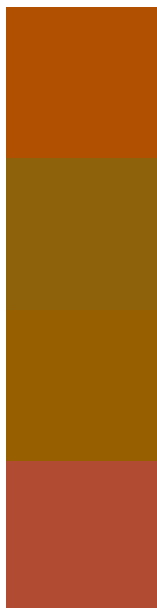
15.1668, 15.0189, 2.0996



Tritanopia

22.2202, 14.9270, 9.1072

Trichromacy



Original Color

20.7732, 14.9674, 1.7941

Protanomaly

15.5778, 14.5081, 2.2665

Deuteranomaly

16.8547, 14.7637, 1.9613

Tritanomaly

21.2916, 14.7463, 4.7417

Monochromacy



Original Color

20.7732, 14.9674, 1.7941

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.7419, 12.7881, 6.5946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7732, 14.9674, 1.7941 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(176, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 80, 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(176, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 80, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7732, 14.9674, 1.7941 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(176, 80, 0) }
```


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

```
.border{ border-color:rgb(176, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7732, 14.9674, 1.7941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 80, 0) }
```

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

```
.background{ background-color: rgb(176, 80,  
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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