

Converting Colors

XYZ(24.8914, 20.7935, 2.7053)

Have a look what the booklet for
XYZ(24.8914, 20.7935, 2.7053)
contains.

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Color

**XYZ(24.8910, 20.7924,
2.7014)**

Conversions

Conversions Part 1

Format	Color
Hex	B76C00
RGB	183, 108, 0
RGB Percent	72%, 42%, 0%
CMY	0.2824, 0.5764, 1.0000
CMYK	0.00, 0.41, 1.00, 0.28
HSL	35°, 100%, 36%
HSV	35°, 100%, 72%
XYZ	24.8910, 20.7924, 2.7014
YIQ	118.1130, 79.3680, -17.6880

Conversions

Conversions Part 2

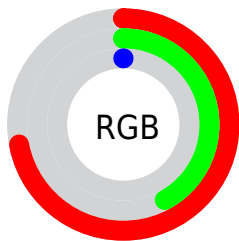
Format	Color
RYB	127, 183, 0
Decimal	12020736
CIELab	52.72, 23.68, 60.15
CIELCh	53, 64.646, 68.513
Yxy	20.7924, 0.5144, 0.4297
Android (android.graphics.Color)	4290210816 (0xFFB76C00)
YUV	118.1130, -58.2297, 56.9059
Hunter-Lab	45.5987, 17.6403, 28.4066

Details

The XYZ color **24.8910, 20.7924, 2.7014** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.0633, 8.4509, 45.8475**, and the grayscale version is **17.4155, 18.3225, 19.9532**.

A 20% lighter version of the original color is **50.8332, 44.7564, 10.9607**, and **9.9280, 7.5168, 0.9276** is the 20% darker color. If you saturate the color by 10%, you get **24.8912, 20.7930, 2.7015**, and if you desaturate by 10%, it is **25.8285, 22.4889, 3.5649**.

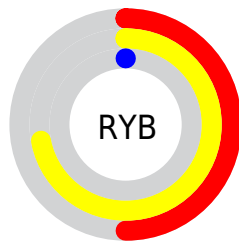
Distribution



Red (72%)

Green (42%)

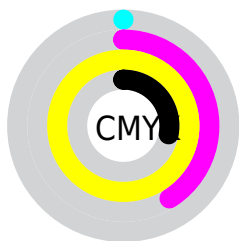
Blue (0%)



Red (50%)

Yellow (72%)

Blue (0%)

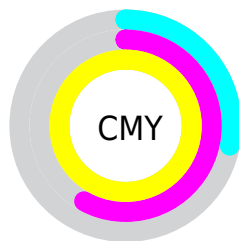


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8910, 20.7924, 2.7014 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 24.8910, 20.7924, 2.7014 by changing the saturation by 10% instead.

■ 24.8910, 20.7924,
2.7014

■ 24.8910, 20.7924,
2.7014

269.6523,
256.1732, 132.4617

■ 16.1242, 12.9723,
0.9441

■ 50.9245, 44.7418,
10.8823

■ 9.7035, 7.4095,
0.0000

■ 68.9219, 61.6399,
18.1431

■ 5.2635, 3.7195,
0.0000

■ 90.7268, 82.3328,
28.0756

■ 2.4390, 1.5179,
0.0000

■ 116.7047,
107.2049, 41.0983


■ 0.8646, 0.3013,
0.0000


■ 147.2208,
136.6406, 57.6297


■ 0.0000, 0.0000,
0.0000


■ 182.6405,


171.0243, 78.0883


 223.3293,
210.7403, 102.8928


 24.8910, 20.7924,
2.7014


 24.8910, 20.7924,
2.7014


 24.8912, 20.7930,
2.7015

 25.8285, 22.4889,
3.5649

 26.9396, 24.3654,
5.0011

 28.2655, 26.4419,
7.2165

 29.8267, 28.7290,
10.3122

 31.6410, 31.2363,
14.3737

■ 33.7239, 33.9722,
19.4761

■ 36.0896, 36.9447,
25.6872

■ 38.7512, 40.1613,
33.0690

■ 41.7208, 43.6288,
41.6788

Harmonies

Analogous

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



31.7143, 20.7924, 6.5163



24.8910, 20.7924, 2.7014



17.9084, 20.7924, 2.2095

Triad

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



24.8910, 20.7924, 2.7014



9.5293, 20.7924, 28.5800



28.9641, 20.7924, 65.7753

Complementary

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



24.8910, 20.7924, 2.7014



11.0633, 8.4509, 45.8475

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.



21.7405, 20.7924, 82.6198



24.8910, 20.7924, 2.7014



11.2686, 20.7924, 54.4415

Square

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



24.8910, 20.7924, 2.7014



10.0022, 20.7924, 11.5978



15.3919, 20.7924, 77.5886



34.4129, 20.7924, 39.1063

Rectangle

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



24.8910, 20.7924, 2.7014



14.2071, 20.7924, 3.1938



15.3919, 20.7924, 77.5886



26.6049, 20.7924, 73.3074

Sweetspot

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



24.8915, 20.7935, 2.7018



64.4129, 65.8924, 45.4024



20.8417, 10.5926, 7.8298



13.8220, 14.0498, 8.9499



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.8915, 20.7935, 2.7018



44.3477, 36.7755, 4.7610



33.0286, 42.1641, 6.3978



9.4332, 9.8694, 9.5147



17.4335, 14.6433, 1.9076



0.6739, 0.6348, 0.0870

Inverse Universe

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



11.0633, 8.4509, 45.8475



19.6001, 14.7073, 82.0415



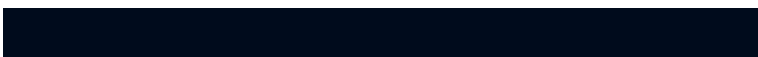
8.7484, 3.5227, 45.0183



8.8153, 9.3077, 11.4114



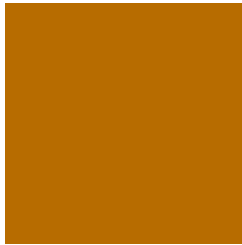
7.7819, 6.0234, 32.0056



0.3356, 0.3350, 1.1487

Previews

White Background



This preview shows how the XYZ color 24.8910, 20.7924, 2.7014 looks on a white 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

Black Background



This preview shows how the XYZ color 24.8910, 20.7924, 2.7014 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8910, 20.7924, 2.7014

Background



This preview shows how black text looks on a background with the XYZ color 24.8910, 20.7924, 2.7014.

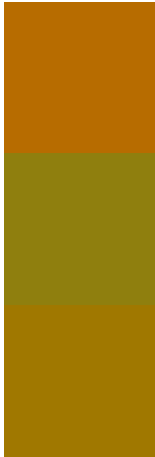


This preview shows how white text looks on a background with the XYZ color 24.8910, 20.7924,

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

24.8910, 20.7924, 2.7014

Protanopia

18.9963, 21.0501, 3.4773

Deuteranopia

21.2137, 20.9065, 2.9173



Tritanopia

27.7575, 20.7618, 16.7318

Trichromacy



Original Color

24.8910, 20.7924, 2.7014

Protanomaly

20.8663, 20.7218, 3.1584

Deuteranomaly

22.3938, 20.8156, 2.8375

Tritanomaly

26.1741, 20.5693, 8.2210

Monochromacy



Original Color

24.8910, 20.7924, 2.7014

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.4426, 18.2934, 9.2156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8910, 20.7924, 2.7014 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(183, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 108, 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(183, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.8910, 20.7924, 2.7014 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(183, 108, 0) }
```


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

```
.border{ border-color:rgb(183, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8910, 20.7924, 2.7014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 108, 0) }
```

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

```
.background{ background-color: rgb(183,  
108, 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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