

Converting Colors

XYZ(24.2877, 19.9620, 0.0640)

Have a look what the booklet for
XYZ(24.2877, 19.9620, 0.0640)
contains.

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Color

**XYZ(24.7175, 20.0910,
2.5752)**

Conversions

Conversions Part 1

Format	Color
Hex	B86800
RGB	184, 104, 0
RGB Percent	72%, 41%, 0%
CMY	0.2784, 0.5921, 1.0000
CMYK	0.00, 0.43, 1.00, 0.28
HSL	34°, 100%, 36%
HSV	34°, 100%, 72%
XYZ	24.7175, 20.0910, 2.5752
YIQ	116.0640, 81.0640, -15.3840

Conversions

Conversions Part 2

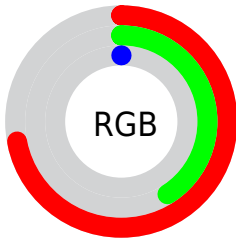
Format	Color
R _Y B	142, 184, 0
Decimal	12085248
CIE Lab	51.94, 26.30, 59.73
CIE LCh	52, 65.264, 66.232
Yxy	20.0910, 0.5216, 0.4240
Android (android.graphics.Color)	4290275328 (0xFFB86800)
YUV	116.0640, -57.2196, 59.5799
Hunter-Lab	44.8230, 19.9931, 27.9697

Details

The XYZ color **24.7175, 20.0910, 2.5752** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.5204, 9.1980, 46.5153**, and the grayscale version is **16.7735, 17.6471, 19.2177**.

A 20% lighter version of the original color is **50.8199, 43.7399, 10.6146**, and **9.7264, 7.1134, 0.8604** is the 20% darker color. If you saturate the color by 10%, you get **24.7176, 20.0915, 2.5753**, and if you desaturate by 10%, it is **25.6743, 21.8248, 3.4493**.

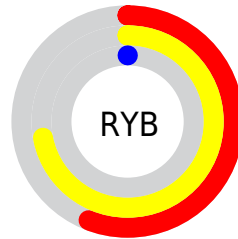
Distribution



Red (72%)

Green (41%)

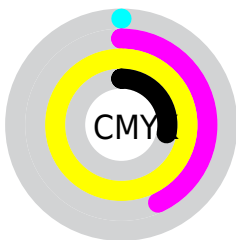
Blue (0%)



Red (56%)

Yellow (72%)

Blue (0%)

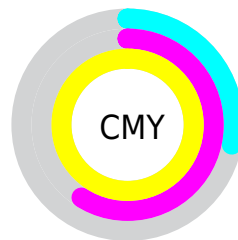


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7175, 20.0910, 2.5752 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 24.7175, 20.0910, 2.5752 by changing the saturation by 10% instead.

■ 24.7175, 20.0910,
2.5752

■ 24.7175, 20.0910,
2.5752

268.8018,
252.4073, 130.7514

■ 15.9943, 12.4612,
0.8796

■ 50.6448, 43.5697,
10.5609

■ 9.6110, 7.0586,
0.0000

■ 68.5795, 60.1874,
17.6905

■ 5.2021, 3.4988,
0.0000

■ 90.3156, 80.5699,
27.4694

■ 2.4023, 1.3973,
0.0000

■ 116.2182,
105.1015, 40.3161

■ 0.8462, 0.2148,
0.0000

■ 146.6528,
134.1666, 56.6490

■ 0.0000, 0.0000,
0.0000

■ 181.9847,

168.1497, 76.8869

222.5792,
207.4352, 101.4482

24.7175, 20.0910,
2.5752

24.7175, 20.0910,
2.5752

24.7176, 20.0915,
2.5753

25.6743, 21.8248,
3.4493

26.8150, 23.7568,
4.9066

28.1813, 25.9076,
7.1557

29.7946, 28.2889,
10.2991

31.6729, 30.9108,
14.4236

■ 33.8324, 33.7825,
19.6055

■ 36.2879, 36.9128,
25.9135

■ 39.0528, 40.3096,
33.4107

■ 42.1396, 43.9806,
42.1551

Harmonies

Analogous

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



31.3566, 20.0910, 6.5997



24.7175, 20.0910, 2.5752



17.7431, 20.0910, 1.9425

Triad

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



24.7175, 20.0910, 2.5752



9.0082, 20.0910, 26.0900



27.6798, 20.0910, 66.6104

Complementary

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



24.7175, 20.0910, 2.5752



11.5204, 9.1980, 46.5153

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.



20.5157, 20.0910, 82.0729



24.7175, 20.0910, 2.5752



10.5378, 20.0910, 51.3858

Square

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



24.7175, 20.0910, 2.5752



9.6326, 20.0910, 10.2005



14.3986, 20.0910, 75.3022



33.3255, 20.0910, 40.1691

Rectangle

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



24.7175, 20.0910, 2.5752



13.9903, 20.0910, 2.7382



14.3986, 20.0910, 75.3022



25.3133, 20.0910, 73.7971

Sweetspot

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



24.7179, 20.0921, 2.5756



65.5441, 66.6168, 46.3471



21.3208, 10.8119, 9.1070



13.7167, 13.8392, 8.9148



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.



24.7179, 20.0921, 2.5756



44.5655, 35.9370, 4.5877



34.7747, 43.3715, 6.5389



9.4144, 9.8318, 9.5084



17.1067, 13.9898, 1.7987



0.6634, 0.6139, 0.0835

Inverse Universe

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



11.5204, 9.1980, 46.5153



20.6554, 16.2170, 84.2461



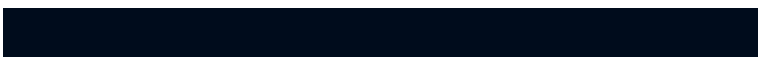
8.7670, 3.5202, 45.5644



8.8337, 9.3446, 11.4175



8.0074, 6.4744, 32.0807



0.3441, 0.3518, 1.1515

Previews

White Background



This preview shows how the XYZ color 24.7175, 20.0910, 2.5752 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 24.7175, 20.0910, 2.5752 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 24.7175, 20.0910, 2.5752

Background



This preview shows how black text looks on a background with the XYZ color 24.7175, 20.0910, 2.5752.



This preview shows how white text looks on a background with the XYZ color 24.7175, 20.0910,

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

24.7175, 20.0910, 2.5752

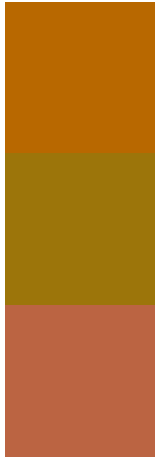
Protanopia

18.2351, 20.2772, 3.4047

Tritanopia

27.5124, 20.2402, 15.5534

Trichromacy



Original Color

24.7175, 20.0910, 2.5752

Protanomaly

20.1264, 19.8124, 3.0506

Tritanomaly

26.0341, 20.0725, 7.6565

Monochromacy



Original Color

24.7175, 20.0910, 2.5752

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.0147, 17.7455, 8.9543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7175, 20.0910, 2.5752 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(184, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 104, 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(184, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 104, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.7175, 20.0910, 2.5752 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(184, 104, 0) }
```

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

```
.border{ border-color:rgb(184, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 104,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 24.7175, 20.0910, 2.5752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 104, 0) }
```

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

```
.background{ background-color: rgb(184,  
104, 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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