

Converting Colors

XYZ(20.0093, 15.4103, 0.3763)

Have a look what the booklet for
XYZ(20.0093, 15.4103, 0.3763)
contains.

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Color

**XYZ(20.2028, 15.4743,
1.9220)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5700
RGB	171, 87, 0
RGB Percent	67%, 34%, 0%
CMY	0.3294, 0.6588, 1.0000
CMYK	0.00, 0.49, 1.00, 0.33
HSL	31°, 100%, 34%
HSV	31°, 100%, 67%
XYZ	20.2028, 15.4743, 1.9220
YIQ	102.1980, 77.9910, -9.2490

Conversions

Conversions Part 2

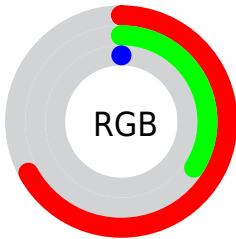
Format	Color
RYB	165, 171, 0
Decimal	11228928
CIELab	46.28, 29.96, 55.30
CIELCh	46, 62.894, 61.551
Yxy	15.4743, 0.5373, 0.4116
Android (android.graphics.Color)	4289419008 (0xFFAB5700)
YUV	102.1980, -50.3836, 60.3394
Hunter-Lab	39.3374, 22.8332, 24.6393

Details

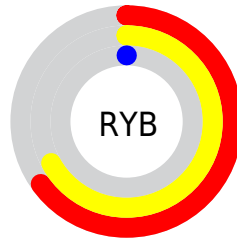
The XYZ color **20.2028, 15.4743, 1.9220** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.5208, 9.2805, 39.7647**, and the grayscale version is **12.7952, 13.4616, 14.6597**.

A 20% lighter version of the original color is **43.1828, 35.6590, 8.8819**, and **7.4076, 4.8958, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **20.2030, 15.4749, 1.9221**, and if you desaturate by 10%, it is **21.0253, 16.9562, 2.6993**.

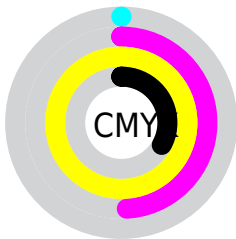
Distribution



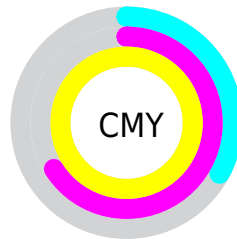
- Red (67%)
- Green (34%)
- Blue (0%)



- Red (65%)
- Yellow (67%)
- Blue (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (100%)
- Black (33%)



- Cyan (33%)
- Magenta (66%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2028, 15.4743, 1.9220 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 20.2028, 15.4743, 1.9220 by changing the saturation by 10% instead.

■ 20.2028, 15.4743,
1.9220

■ 20.2028, 15.4743,
1.9220

■ 245.8236,
226.2194, 121.1536

■ 12.6517, 9.1529,
0.5067

■ 43.2583, 35.6831,
8.8264

■ 7.2645, 4.8411,
0.0000

■ 59.4933, 50.3394,
15.2212

■ 3.6758, 2.1543,
0.0000

■ 79.3538, 68.5427,
24.1357

■ 1.5204, 0.6949,
0.0000

■ 103.2049, 90.6775,
35.9886

■ 0.3397, 0.0000,
0.0000

■ 131.4121,
117.1282, 51.1982

■ 0.0000, 0.0000,
0.0000

■ 164.3407,

148.2791, 70.1832

202.3561,
184.5147, 93.3622

20.2028, 15.4743,
1.9220

20.2028, 15.4743,
1.9220

20.2030, 15.4749,
1.9221

21.0253, 16.9562,
2.6993

22.0168, 18.6359,
3.9654

23.2154, 20.5330,
5.9068

24.6395, 22.6588,
8.6085

26.3049, 25.0231,
12.1430

■ 28.2258, 27.6352,
16.5742

■ 30.4151, 30.5036,
21.9596

■ 32.8847, 33.6363,
28.3520

■ 35.6457, 37.0408,
35.8002

Harmonies

Analogous

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



25.3938, 15.4743, 5.6197



20.2028, 15.4743, 1.9220



14.4298, 15.4743, 1.1996

Triad

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



20.2028, 15.4743, 1.9220



6.6050, 15.4743, 17.6631



20.8077, 15.4743, 56.7695

Complementary

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



20.2028, 15.4743, 1.9220



10.5208, 9.2805, 39.7647

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.



14.9895, 15.4743, 67.1581



20.2028, 15.4743, 1.9220



7.5399, 15.4743, 37.5750

Square

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



20.2028, 15.4743, 1.9220



7.3621, 15.4743, 6.3141



10.3123, 15.4743, 58.5899



25.7987, 15.4743, 35.2548

Rectangle

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



20.2028, 15.4743, 1.9220



11.2278, 15.4743, 1.5892



10.3123, 15.4743, 58.5899



18.8416, 15.4743, 62.1137

Sweetspot

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



20.2031, 15.4751, 1.9223



54.2511, 54.3456, 38.7708



18.4542, 9.3218, 9.5258



11.7294, 11.6399, 7.7266



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.2031, 15.4751, 1.9223



35.9696, 27.2886, 3.3714



31.3573, 37.7835, 5.6403



8.3294, 8.6637, 8.4466



15.2830, 11.7716, 1.4666



0.4798, 0.4367, 0.0590

Inverse Universe

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



10.5208, 9.2805, 39.7647



18.6305, 16.1975, 71.1464



7.3507, 2.9403, 38.7080



7.8915, 8.3824, 10.1547



7.9836, 7.1010, 29.9944



0.2770, 0.3073, 0.8527

Previews

White Background



This preview shows how the XYZ color 20.2028, 15.4743, 1.9220 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 20.2028, 15.4743, 1.9220 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 20.2028, 15.4743, 1.9220

Background



This preview shows how black text looks on a background with the XYZ color 20.2028, 15.4743, 1.9220.



This preview shows how white text looks on a background with the XYZ color 20.2028, 15.4743,

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

20.2028, 15.4743, 1.9220

Protanopia

14.0828, 15.6885, 2.7379

Deuteranopia

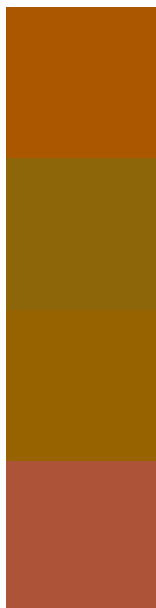
15.6990, 15.5921, 2.1822



Tritanopia

22.0777, 15.5554, 10.6430

Trichromacy



Original Color

20.2028, 15.4743, 1.9220

Protanomaly

15.7907, 15.1874, 2.3864

Deuteranomaly

17.1302, 15.3147, 2.0532

Tritanomaly

21.0164, 15.3466, 5.4689

Monochromacy



Original Color

20.2028, 15.4743, 1.9220

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.9812, 13.4431, 6.8589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2028, 15.4743, 1.9220 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(171, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 87, 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(171, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 87, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.2028, 15.4743, 1.9220 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(171, 87, 0) }
```


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

```
.border{ border-color:rgb(171, 87, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 87, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 87, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2028, 15.4743, 1.9220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 87, 0) }
```

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

```
.background{ background-color: rgb(171, 87,  
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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