

Converting Colors

XYZ(20.0907, 15.2628, 0.6878)

Have a look what the booklet for
XYZ(20.0907, 15.2628, 0.6878)
contains.

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Color

**XYZ(20.2618, 15.2677,
1.8790)**

Conversions

Conversions Part 1

Format	Color
Hex	AC5500
RGB	172, 85, 0
RGB Percent	67%, 33%, 0%
CMY	0.3255, 0.6666, 1.0000
CMYK	0.00, 0.51, 1.00, 0.33
HSL	30°, 100%, 34%
HSV	30°, 100%, 67%
XYZ	20.2618, 15.2677, 1.8790
YIQ	101.3230, 79.1370, -7.9910

Conversions

Conversions Part 2

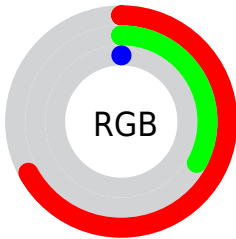
Format	Color
R_{YB}	172, 168, 0
Decimal	11293952
CIE _{Lab}	46.00, 31.45, 55.21
CIE _{LCh}	46, 63.541, 60.332
Yxy	15.2677, 0.5416, 0.4081
Android (android.graphics.Color)	4289484032 (0xFFAC5500)
YUV	101.3230, -49.9522, 61.9837
Hunter-Lab	39.0739, 24.1820, 24.5006

Details

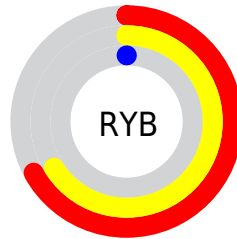
The XYZ color **20.2618, 15.2677, 1.8790** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.8543, 9.7943, 40.3479**, and the grayscale version is **12.5649, 13.2192, 14.3957**.

A 20% lighter version of the original color is **43.1978, 35.2477, 8.6644**, and **7.3437, 4.7679, 0.5332** is the 20% darker color. If you saturate the color by 10%, you get **20.2620, 15.2683, 1.8792**, and if you desaturate by 10%, it is **21.0925, 16.7648, 2.6629**.

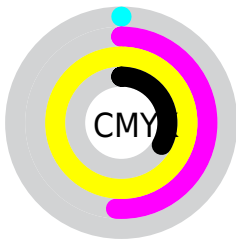
Distribution



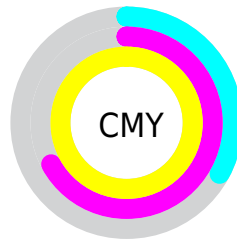
- Red (67%)
- Green (33%)
- Blue (0%)



- Red (67%)
- Yellow (66%)
- Blue (0%)



- Cyan (0%)
- Magenta (51%)
- Yellow (100%)
- Black (33%)





- Cyan (33%)
- Magenta (67%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2618, 15.2677, 1.8790 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 20.2618, 15.2677, 1.8790 by changing the saturation by 10% instead.


 20.2618, 15.2677,
1.8790


 20.2618, 15.2677,
1.8790


 246.1355,
224.9809, 120.4687


 12.6949, 9.0075,
0.4793


 43.3563, 35.3221,
8.7073


 7.2943, 4.7461,
0.0000


 59.6145, 49.8851,
15.0497


 3.6948, 2.0990,
0.0000

 79.5006, 67.9845,
23.9024

 1.5310, 0.6641,
0.0000

 103.3798, 90.0046,
35.6839


 0.3468, 0.0000,
0.0000


 131.6176,
116.3300, 50.8127


 0.0000, 0.0000,
0.0000


 164.5792,


147.3448, 69.7075


 202.6301,
183.4337, 92.7866


 20.2618, 15.2677,
1.8790


 20.2618, 15.2677,
1.8790

 20.2620, 15.2683,
1.8792

 21.0925, 16.7648,
2.6629

 22.0990, 18.4710,
3.9445

 23.3199, 20.4066,
5.9118

 24.7741, 22.5836,
8.6514

 26.4779, 25.0125,
12.2369

■ 28.4460, 27.7030,
16.7332

■ 30.6916, 30.6641,
22.1987

■ 33.2270, 33.9044,
28.6869

■ 36.0637, 37.4320,
36.2476

Harmonies

Analogous

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



25.4048, 15.2677, 5.6975



20.2618, 15.2677, 1.8790



14.4517, 15.2677, 1.1091

Triad

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



20.2618, 15.2677, 1.8790



6.4265, 15.2677, 16.7961



20.3917, 15.2677, 57.5839

Complementary

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



20.2618, 15.2677, 1.8790



10.8543, 9.7943, 40.3479

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.



14.5715, 15.2677, 67.3811



20.2618, 15.2677, 1.8790



7.2853, 15.2677, 36.5385

Square

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



20.2618, 15.2677, 1.8790



7.2475, 15.2677, 5.8442



9.9672, 15.2677, 57.9775



25.4919, 15.2677, 36.0385

Rectangle

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



20.2618, 15.2677, 1.8790



11.2039, 15.2677, 1.4414



9.9672, 15.2677, 57.9775



18.4133, 15.2677, 62.7953

Sweetspot

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



20.2621, 15.2685, 1.8793



55.4467, 55.3273, 39.6910



18.8108, 9.4897, 10.2623



11.6783, 11.5378, 7.7096



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.



20.2621, 15.2685, 1.8793



36.5383, 27.2587, 3.3357



31.2259, 37.1960, 5.5338



8.3198, 8.6445, 8.4434



15.1332, 11.4718, 1.4167



0.4758, 0.4288, 0.0577

Inverse Universe

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



10.8543, 9.7943, 40.3479



19.4697, 17.3253, 73.1237



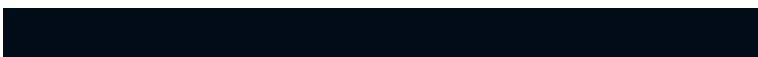
7.4775, 3.0408, 39.2223



7.9011, 8.4016, 10.1579



8.1324, 7.3986, 30.0440



0.2809, 0.3152, 0.8540

Previews

White Background



This preview shows how the XYZ color 20.2618, 15.2677, 1.8790 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 20.2618, 15.2677, 1.8790 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 20.2618, 15.2677, 1.8790

Background



This preview shows how black text looks on a background with the XYZ color 20.2618, 15.2677, 1.8790.



This preview shows how white text looks on a background with the XYZ color 20.2618, 15.2677,

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

20.2618, 15.2677, 1.8790

Protanopia

13.9743, 15.4714, 2.7017

Deuteranopia

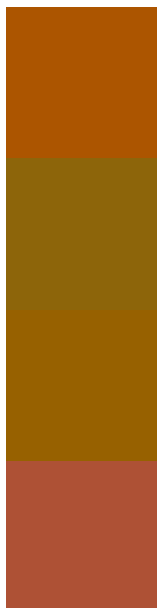
15.5978, 15.3896, 2.1484



Tritanopia

22.0754, 15.3460, 10.1861

Trichromacy



Original Color

20.2618, 15.2677, 1.8790

Protanomaly

15.6930, 14.9920, 2.3538

Deuteranomaly

17.0372, 15.1287, 2.0222

Tritanomaly

21.0406, 15.1406, 5.1816

Monochromacy



Original Color

20.2618, 15.2677, 1.8790

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.7700, 13.0666, 6.6468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2618, 15.2677, 1.8790 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(172, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 85, 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(172, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.2618, 15.2677, 1.8790 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(172, 85, 0) }
```


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

```
.border{ border-color:rgb(172, 85, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 85, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2618, 15.2677, 1.8790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 85, 0) }
```

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

```
.background{ background-color: rgb(172, 85,  
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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