

Converting Colors

XYZ(20.6057, 15.1982, 5.3891)

Have a look what the booklet for
XYZ(20.6057, 15.1982, 5.3891)
contains.

XYZ(20.6308, 15.2649, 5.3491)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6308, 15.2649,
5.3491)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5436
RGB	171, 84, 54
RGB Percent	67%, 33%, 21%
CMY	0.3294, 0.6706, 0.7882
CMYK	0.00, 0.51, 0.68, 0.33
HSL	15°, 52%, 44%
HSV	15°, 68%, 67%
XYZ	20.6308, 15.2649, 5.3491
YIQ	106.5930, 61.4820, 9.1140

Conversions

Conversions Part 2

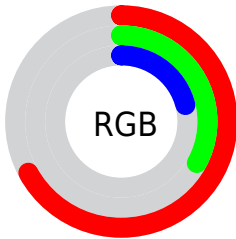
Format	Color
R_{YB}	171, 94, 54
Decimal	11228214
CIE _{Lab}	45.99, 33.27, 33.64
CIE _{LCh}	46, 47.312, 45.315
Yxy	15.2649, 0.5002, 0.3701
Android (android.graphics.Color)	4289418294 (0xFFAB5436)
YUV	106.5930, -25.9283, 56.4849
Hunter-Lab	39.0703, 25.8826, 19.2319

Details

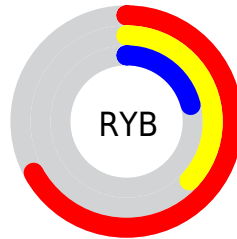
The XYZ color **20.6308, 15.2649, 5.3491** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **18.3963, 22.7730, 41.9540**, and the grayscale version is **13.9205, 14.6454, 15.9488**.

A 20% lighter version of the original color is **44.0172, 35.2762, 17.0594**, and **7.4604, 4.7325, 0.7787** is the 20% darker color. If you saturate the color by 10%, you get **19.3987, 13.3344, 3.2935**, and if you desaturate by 10%, it is **22.1840, 17.6119, 8.2085**.

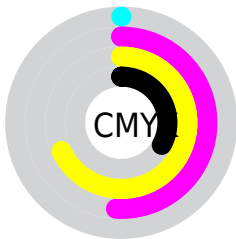
Distribution



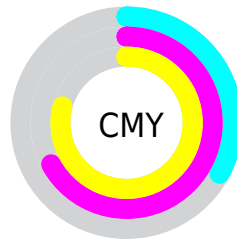
- Red (67%)
- Green (33%)
- Blue (21%)



- Red (67%)
- Yellow (37%)
- Blue (21%)



- Cyan (0%)
- Magenta (51%)
- Yellow (68%)
- Black (33%)



- Cyan (33%)
- Magenta (67%)
- Yellow (79%)
- Black (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6308, 15.2649, 5.3491 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 20.6308, 15.2649, 5.3491 by changing the saturation by 10% instead.

■ 20.6308, 15.2649,
5.3491

■ 20.6308, 15.2649,
5.3491

248.0789,
224.9640, 162.2117

■ 12.9653, 9.0055,
2.3912

■ 43.9682, 35.3172,
17.0179

■ 7.4815, 4.7448,
0.7817

■ 60.3708, 49.8790,
26.5658

■ 3.8140, 2.0983,
0.0000

■ 80.4165, 67.9769,
39.1476

■ 1.5975, 0.6637,
0.0000

■ 104.4707, 89.9955,
55.1816

■ 0.3908, 0.0000,
0.0000

■ 132.8986,
116.3191, 75.0865

■ 0.0000, 0.0000,
0.0000

■ 166.0657,

147.3321, 99.2808

204.3374,
183.4190, 128.1830

■ 20.6308, 15.2649,
5.3491

■ 20.6308, 15.2649,
5.3491

■ 19.3987, 13.3344,
3.2935

■ 22.1840, 17.6119,
8.2085

■ 18.4613, 11.7922,
1.9557

■ 24.0795, 20.3961,
11.9440

■ 17.7809, 10.6070,
1.1878

■ 26.3377, 23.6398,
16.6207

■ 17.6897, 10.4483,
1.0844

■ 28.9773, 27.3631,
22.2972

■ 32.0154, 31.5846,
29.0275

■ 35.4681, 36.3221,
36.8615

■ 39.3506, 41.5926,
45.8459

■ 43.6772, 47.4119,
56.0248

■ 48.4618, 53.7957,
67.4400

Harmonies

Analogous

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



23.2832, 15.2649, 11.4462



20.6308, 15.2649, 5.3491



16.5514, 15.2649, 3.1077

Triad

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



20.6308, 15.2649, 5.3491



8.2579, 15.2649, 11.6303



16.6411, 15.2649, 48.2890

Complementary

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



20.6308, 15.2649, 5.3491



18.3963, 22.7730, 41.9540

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.



12.6416, 15.2649, 48.4172



20.6308, 15.2649, 5.3491



8.2730, 15.2649, 23.1587

Square

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



20.6308, 15.2649, 5.3491



9.6904, 15.2649, 5.4302



9.7363, 15.2649, 37.7696



20.7068, 15.2649, 37.4733

Rectangle

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



20.6308, 15.2649, 5.3491



13.8065, 15.2649, 2.9075



9.7363, 15.2649, 37.7696



15.2345, 15.2649, 49.7053

Sweetspot

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



20.6312, 15.2657, 5.3494



55.6566, 54.2408, 48.2283



22.9775, 13.2418, 26.8378



12.0842, 11.6413, 10.0284



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.



20.6312, 15.2657, 5.3494



33.8349, 22.4081, 4.5434



27.0963, 28.1960, 7.5044



8.1660, 8.3368, 8.3921



13.3725, 7.9506, 0.8298



0.4161, 0.3093, 0.0378

Inverse Universe

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



18.3963, 22.7730, 41.9540



29.4057, 36.4526, 74.4881



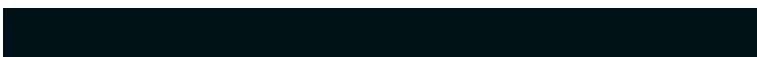
11.9845, 9.9495, 39.8168



8.0599, 8.7191, 10.2108



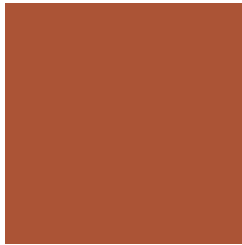
11.3209, 13.7756, 31.1068



0.3556, 0.4646, 0.8789

Previews

White Background



This preview shows how the XYZ color 20.6308, 15.2649, 5.3491 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 20.6308, 15.2649, 5.3491 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 20.6308, 15.2649, 5.3491

Background



This preview shows how black text looks on a background with the XYZ color 20.6308, 15.2649, 5.3491.



This preview shows how white text looks on a background with the XYZ color 20.6308, 15.2649,

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

20.6308, 15.2649, 5.3491

Protanopia

14.2189, 15.5038, 6.9457

Deuteranopia

15.6794, 15.3652, 5.1570



Tritanopia

21.7820, 15.2934, 10.6080

Trichromacy



Original Color

20.6308, 15.2649, 5.3491

Protanomaly

16.1168, 15.1226, 6.3445

Deuteranomaly

17.2667, 15.1780, 5.1516

Tritanomaly

21.1917, 15.1499, 8.2859

Monochromacy



Original Color

20.6308, 15.2649, 5.3491

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.4292, 14.3741, 11.1938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6308, 15.2649, 5.3491 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, 84, 54)` looks like.

```
.text, #text, p{  
    color:rgb(171, 84, 54)  
}
```

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, 84, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 84, 54) }
```

Border

The CSS property to change the border of an element to XYZ 20.6308, 15.2649, 5.3491 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, 84, 54) }
```


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

```
.border{ border-color:rgb(171, 84, 54) }
```

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

Here you see how a box with a 4 pixel rgb(171, 84, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 84, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 84, 54);  
box-shadow:4px 4px 4px 4px rgb(171, 84,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6308, 15.2649, 5.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 84, 54) }
```

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

```
.background{ background-color: rgb(171, 84,  
54) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor