

Converting Colors

XYZ(20.4520, 15.2571, 3.6037)

Have a look what the booklet for
XYZ(20.4520, 15.2571, 3.6037)
contains.

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Color

**XYZ(20.5175, 15.2449,
3.6114)**

Conversions

Conversions Part 1

Format	Color
Hex	AC5425
RGB	172, 84, 37
RGB Percent	67%, 33%, 15%
CMY	0.3255, 0.6706, 0.8549
CMYK	0.00, 0.51, 0.78, 0.33
HSL	21°, 65%, 41%
HSV	21°, 78%, 67%
XYZ	20.5175, 15.2449, 3.6114
YIQ	104.9540, 67.5350, 4.0390

Conversions

Conversions Part 2

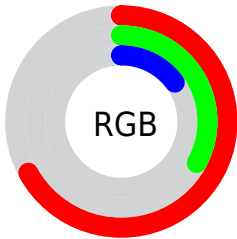
Format	Color
R_{YB}	172, 109, 37
Decimal	11293733
CIE _{Lab}	45.97, 32.84, 42.58
CIE _{LCh}	46, 53.772, 52.363
Yxy	15.2449, 0.5211, 0.3872
Android (android.graphics.Color)	4289483813 (0xFFAC5425)
YUV	104.9540, -33.5013, 58.7993
Hunter-Lab	39.0447, 25.4712, 21.8473

Details

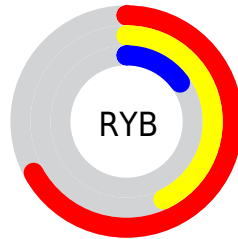
The XYZ color **20.5175, 15.2449, 3.6114** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.5422, 18.0377, 41.6918**, and the grayscale version is **13.4904, 14.1929, 15.4561**.

A 20% lighter version of the original color is **43.9079, 35.3075, 13.0951**, and **7.5405, 4.7795, 0.5251** is the 20% darker color. If you saturate the color by 10%, you get **19.5067, 13.5586, 2.2415**, and if you desaturate by 10%, it is **21.7955, 17.2624, 5.6981**.

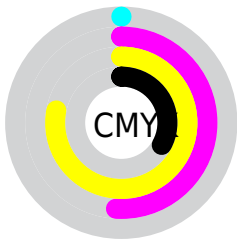
Distribution



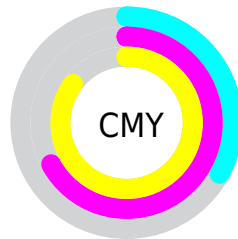
- Red (67%)
- Green (33%)
- Blue (15%)



- Red (67%)
- Yellow (43%)
- Blue (15%)



- Cyan (0%)
- Magenta (51%)
- Yellow (78%)
- Black (33%)



- Cyan (33%)
- Magenta (67%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5175, 15.2449, 3.6114 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 20.5175, 15.2449, 3.6114 by changing the saturation by 10% instead.

■ 20.5175, 15.2449,
3.6114

■ 20.5175, 15.2449,
3.6114

247.4836,
224.8438, 143.8029

■ 12.8822, 8.9914,
1.4147

■ 43.7805, 35.2822,
13.1031

■ 7.4239, 4.7356,
0.1531

■ 60.1389, 49.8349,
21.2352

■ 3.7773, 2.0930,
0.0000

■ 80.1357, 67.9228,
32.1828

■ 1.5769, 0.6607,
0.0000

■ 104.1363, 89.9302,
46.3645

■ 0.3773, 0.0000,
0.0000

■ 132.5060,
116.2416, 64.1988

■ 0.0000, 0.0000,
0.0000

■ 165.6103,

147.2415, 86.1043

203.8143,
183.3140, 112.4995

20.5175, 15.2449,
3.6114

20.5175, 15.2449,
3.6114

19.5067, 13.5586,
2.2415

21.7955, 17.2624,
5.6981

18.7274, 12.1764,
1.4379

23.3616, 19.6272,
8.5861

18.6231, 11.9906,
1.3329

25.2356, 22.3572,
12.3489

27.4348, 25.4682,
17.0513

29.9754, 28.9748,
22.7520

■ 32.8721, 32.8910,
29.5046

■ 36.1389, 37.2300,
37.3593

■ 39.7889, 42.0044,
46.3626

■ 43.8347, 47.2261,
56.5585

Harmonies

Analogous

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



24.1829, 15.2449, 8.7728



20.5175, 15.2449, 3.6114



15.6841, 15.2449, 2.0896

Triad

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



20.5175, 15.2449, 3.6114



7.4319, 15.2449, 13.4864



18.0810, 15.2449, 52.2377

Complementary

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



20.5175, 15.2449, 3.6114



15.5422, 18.0377, 41.6918

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.



13.3577, 15.2449, 55.8903



20.5175, 15.2449, 3.6114



7.8101, 15.2449, 28.0774

Square

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



20.5175, 15.2449, 3.6114



8.6059, 15.2449, 5.5164



9.7760, 15.2449, 45.4069



22.5833, 15.2449, 37.0888

Rectangle

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



20.5175, 15.2449, 3.6114



12.6957, 15.2449, 2.1810



9.7760, 15.2449, 45.4069



16.4455, 15.2449, 55.0878

Sweetspot

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



20.5178, 15.2457, 3.6117



56.4332, 55.3569, 46.0112



21.5055, 11.6261, 21.1892



11.8834, 11.5128, 9.1200



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.



20.5178, 15.2457, 3.6117



34.3411, 22.7433, 2.9766



28.1737, 30.5575, 6.1636



8.2248, 8.4544, 8.4117



13.9059, 9.0173, 1.0076



0.4389, 0.3550, 0.0454

Inverse Universe

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



15.5422, 18.0377, 41.6918



24.7411, 27.6112, 74.8313



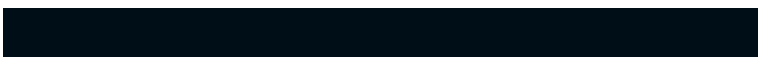
9.7991, 6.5515, 39.7775



7.9980, 8.5955, 10.1902



9.9151, 10.9641, 30.6382



0.3244, 0.4022, 0.8685

Previews

White Background



This preview shows how the XYZ color 20.5175, 15.2449, 3.6114 looks on a white background.

Color Contrast Check

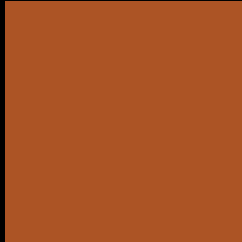
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5175, 15.2449, 3.6114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

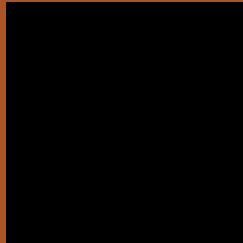
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5175, 15.2449, 3.6114

Background



This preview shows how black text looks on a background with the XYZ color 20.5175, 15.2449, 3.6114.



This preview shows how white text looks on a background with the XYZ color 20.5175, 15.2449,

3.6114.

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

20.5175, 15.2449, 3.6114

Protanopia

14.0566, 15.4713, 4.6283

Deuteranopia

15.5142, 15.3179, 3.4353



Tritanopia

21.8518, 15.2307, 10.1756

Trichromacy



Original Color

20.5175, 15.2449, 3.6114

Protanomaly

15.8691, 15.0429, 4.1650

Deuteranomaly

17.1269, 15.1432, 3.4591

Tritanomaly

21.1891, 15.1743, 7.1223

Monochromacy



Original Color

20.5175, 15.2449, 3.6114

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.7759, 13.7957, 9.4735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5175, 15.2449, 3.6114 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, 84, 37)` looks like.

```
.text, #text, p{  
    color:rgb(172, 84, 37)  
}
```

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, 84, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 84, 37) }
```

Border

The CSS property to change the border of an element to XYZ 20.5175, 15.2449, 3.6114 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, 84, 37) }
```


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

```
.border{ border-color:rgb(172, 84, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 84, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 84, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 84, 37);  
box-shadow:4px 4px 4px 4px rgb(172, 84,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5175, 15.2449, 3.6114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 84, 37) }
```

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

```
.background{ background-color: rgb(172, 84,  
37) }
```

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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