

Converting Colors

XYZ(20.1269, 15.8499, 3.6890)

Have a look what the booklet for
XYZ(20.1269, 15.8499, 3.6890)
contains.

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Color

**XYZ(20.2080, 15.9344,
3.6796)**

Conversions

Conversions Part 1

Format	Color
Hex	A85B24
RGB	168, 91, 36
RGB Percent	66%, 36%, 14%
CMY	0.3412, 0.6431, 0.8588
CMYK	0.00, 0.46, 0.79, 0.34
HSL	25°, 65%, 40%
HSV	25°, 79%, 66%
XYZ	20.2080, 15.9344, 3.6796
YIQ	107.7530, 63.5470, -0.7810

Conversions

Conversions Part 2

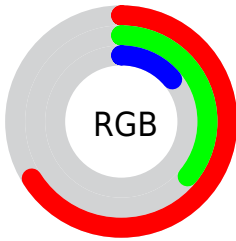
Format	Color
R_{YB}	168, 130, 36
Decimal	11033380
CIE _{Lab}	46.89, 27.35, 43.77
CIE _{LCh}	47, 51.611, 57.997
Yxy	15.9344, 0.5075, 0.4001
Android (android.graphics.Color)	4289223460 (0xFFA85B24)
YUV	107.7530, -35.3742, 52.8366
Hunter-Lab	39.9179, 20.5073, 22.4772

Details

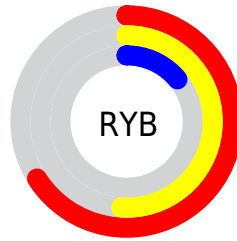
The XYZ color **20.2080, 15.9344, 3.6796** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **13.7001, 15.0115, 39.2210**, and the grayscale version is **14.2686, 15.0117, 16.3477**.

A 20% lighter version of the original color is **43.3076, 36.4959, 13.3562**, and **7.2943, 5.0428, 0.5889** is the 20% darker color. If you saturate the color by 10%, you get **19.2254, 14.2880, 2.3697**, and if you desaturate by 10%, it is **21.4211, 17.8495, 5.6605**.

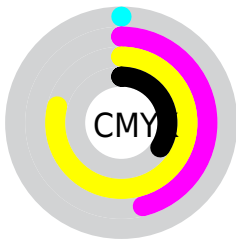
Distribution



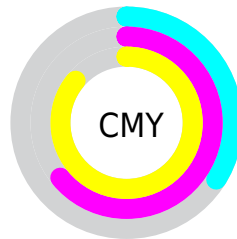
- Red (66%)
- Green (36%)
- Blue (14%)



- Red (66%)
- Yellow (51%)
- Blue (14%)



- Cyan (0%)
- Magenta (46%)
- Yellow (79%)
- Black (34%)





- Cyan (34%)
- Magenta (64%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2080, 15.9344, 3.6796 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 20.2080, 15.9344, 3.6796 by changing the saturation by 10% instead.


 20.2080, 15.9344,
3.6796


 20.2080, 15.9344,
3.6796


245.8511,
228.9543, 144.5946


 12.6555, 9.4777,
1.4513


 43.2669, 36.4843,
13.2638


 7.2671, 5.0541,
0.1812


 59.5040, 51.3463,
21.4568


 3.6775, 2.2790,
0.0000

 79.3667, 69.7789,
32.4750

 1.5214, 0.7626,
0.0000

 103.2203, 92.1665,
46.7371

 0.3403, 0.0000,
0.0000

 131.4302,
118.8934, 64.6616

 0.0000, 0.0000,
0.0000

 164.3617,

150.3441, 86.6670

202.3802,
186.9029, 113.1718

20.2080, 15.9344,
3.6796

20.2080, 15.9344,
3.6796

19.2254, 14.2880,
2.3697

21.4211, 17.8495,
5.6605

18.4407, 12.8884,
1.5847

22.8826, 20.0446,
8.3915

18.3389, 12.7058,
1.4859

24.6094, 22.5333,
11.9414

26.6163, 25.3274,
16.3708

28.9170, 28.4377,
21.7346

■ 31.5242, 31.8746,
28.0831

■ 34.4496, 35.6481,
35.4630

■ 37.7046, 39.7674,
43.9180

■ 41.2997, 44.2416,
53.4893

Harmonies

Analogous

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



24.1397, 15.9344, 8.1250



20.2080, 15.9344, 3.6796



15.4496, 15.9344, 2.5005

Triad

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



20.2080, 15.9344, 3.6796



8.0404, 15.9344, 16.4981



19.5798, 15.9344, 49.7081

Complementary

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



20.2080, 15.9344, 3.6796



13.7001, 15.0115, 39.2210

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.



14.8448, 15.9344, 55.7560



20.2080, 15.9344, 3.6796



8.7189, 15.9344, 31.7719

Square

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



20.2080, 15.9344, 3.6796



8.9299, 15.9344, 7.2534



11.0076, 15.9344, 47.9813



23.7294, 15.9344, 34.0707

Rectangle

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



20.2080, 15.9344, 3.6796



12.6266, 15.9344, 2.8442



11.0076, 15.9344, 47.9813



17.9782, 15.9344, 53.1897

Sweetspot

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



20.2084, 15.9352, 3.6799



54.3598, 54.1077, 43.9773



19.7599, 10.7789, 16.6619



11.5066, 11.3401, 8.7622



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.2084, 15.9352, 3.6799



33.8448, 24.0708, 3.2484



28.5237, 32.5660, 6.4517



7.7783, 8.0367, 7.9306



13.8972, 9.6918, 1.1382



0.3890, 0.3375, 0.0446

Inverse Universe

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



13.7001, 15.0115, 39.2210



21.4365, 22.1019, 70.3614



8.8120, 5.2354, 37.5917



7.4816, 8.0001, 9.5682



8.6867, 8.8337, 29.2227



0.2601, 0.3125, 0.7272

Previews

White Background



This preview shows how the XYZ color 20.2080, 15.9344, 3.6796 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 20.2080, 15.9344, 3.6796 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 20.2080, 15.9344, 3.6796

Background



This preview shows how black text looks on a background with the XYZ color 20.2080, 15.9344, 3.6796.



This preview shows how white text looks on a background with the XYZ color 20.2080, 15.9344,

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

20.2080, 15.9344, 3.6796

Protanopia

14.6695, 16.1155, 4.5279

Deuteranopia

16.2166, 15.9824, 3.5265



Tritanopia

21.9314, 15.9103, 11.8126

Trichromacy



Original Color

20.2080, 15.9344, 3.6796

Protanomaly

16.3178, 15.7166, 4.1810

Deuteranomaly

17.5059, 15.9012, 3.5854

Tritanomaly

21.1231, 15.8174, 7.9010

Monochromacy



Original Color

20.2080, 15.9344, 3.6796

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.4803, 14.8578, 10.0346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2080, 15.9344, 3.6796 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(168, 91, 36)` looks like.

```
.text, #text, p{  
    color:rgb(168, 91, 36)  
}
```

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(168, 91, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 91, 36) }
```

Border

The CSS property to change the border of an element to XYZ 20.2080, 15.9344, 3.6796 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(168, 91, 36) }
```


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

```
.border{ border-color:rgb(168, 91, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 91, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 91, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 91, 36);  
box-shadow:4px 4px 4px 4px rgb(168, 91,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2080, 15.9344, 3.6796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 91, 36) }
```

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

```
.background{ background-color: rgb(168, 91,  
36) }
```

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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