

Converting Colors

XYZ(20.8613, 17.6394, 2.3463)

Have a look what the booklet for
XYZ(20.8613, 17.6394, 2.3463)
contains.

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Color

**XYZ(20.8076, 17.6344,
2.3358)**

Conversions

Conversions Part 1

Format	Color
Hex	A86501
RGB	168, 101, 1
RGB Percent	66%, 40%, 0%
CMY	0.3412, 0.6039, 0.9961
CMYK	0.00, 0.40, 0.99, 0.34
HSL	36°, 99%, 33%
HSV	36°, 99%, 66%
XYZ	20.8076, 17.6344, 2.3358
YIQ	109.6330, 72.0320, -16.8960

Conversions

Conversions Part 2

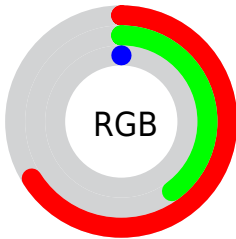
Format	Color
R_{YB}	113, 168, 1
Decimal	11035905
CIE Lab	49.05, 20.96, 56.58
CIE LCh	49, 60.340, 69.675
Yxy	17.6344, 0.5103, 0.4325
Android (android.graphics.Color)	4289225985 (0xFFA86501)
YUV	109.6330, -53.5561, 51.1879
Hunter-Lab	41.9933, 14.9580, 26.0974

Details

The XYZ color **20.8076, 17.6344, 2.3358** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.1475, 6.9678, 37.9082**, and the grayscale version is **14.8505, 15.6239, 17.0144**.

A 20% lighter version of the original color is **44.1203, 39.3093, 9.9647**, and **7.7496, 5.9533, 0.7407** is the 20% darker color. If you saturate the color by 10%, you get **20.7634, 17.5550, 2.2941**, and if you desaturate by 10%, it is **21.5916, 19.0392, 3.1009**.

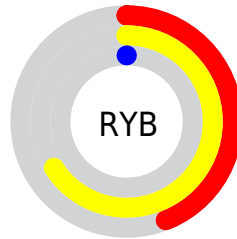
Distribution



Red (66%)

Green (40%)

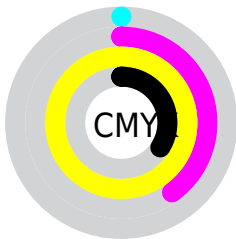
Blue (0%)



Red (44%)

Yellow (66%)

Blue (0%)

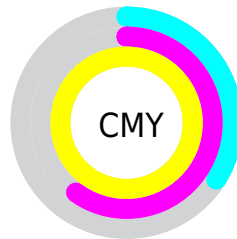


Cyan (0%)

Magenta (40%)

Yellow (99%)

Black (34%)



Cyan (34%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8076, 17.6344, 2.3358 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 20.8076, 17.6344, 2.3358 by changing the saturation by 10% instead.


 20.8076, 17.6344,
2.3358


 20.8076, 17.6344,
2.3358


249.0053,
238.8022, 127.3907


 13.0951, 10.6878,
0.7512


 44.2608, 39.4134,
9.9400

 7.5715, 5.8573,
0.0000


 60.7322, 55.0145,
16.8121

 3.8715, 2.7585,
0.0000

 80.8540, 74.2694,
26.2887

 1.6297, 1.0070,
0.0000

 104.9914, 97.5622,
38.7886


 0.4116, 0.0000,
0.0000


 133.5099,
125.2776, 54.7302


 0.0000, 0.0000,
0.0000


 166.7748,


157.7997, 74.5320


 205.1515,
195.5132, 98.6127


 20.8076, 17.6344,
2.3358


 20.8076, 17.6344,
2.3358

 20.7634, 17.5550,
2.2941

 21.5916, 19.0392,
3.1009

 22.5180, 20.5880,
4.3466

 23.6195, 22.2967,
6.2378

 24.9124, 24.1736,
8.8546

 26.4109, 26.2261,
12.2655

■ 28.1273, 28.4610,
16.5307

■ 30.0730, 30.8845,
21.7048

■ 32.2586, 33.5025,
27.8377

■ 34.6936, 36.3205,
34.9756

Harmonies

Analogous

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



26.5454, 17.6344, 5.4334



20.8076, 17.6344, 2.3358



15.0074, 17.6344, 1.9890

Triad

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



20.8076, 17.6344, 2.3358



8.1968, 17.6344, 24.8940



24.6620, 17.6344, 54.2943

Complementary

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



20.8076, 17.6344, 2.3358



9.1475, 6.9678, 37.9082

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.



18.6460, 17.6344, 68.8170



20.8076, 17.6344, 2.3358



9.7356, 17.6344, 46.5598

Square

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



20.8076, 17.6344, 2.3358



8.5237, 17.6344, 10.3226



13.2763, 17.6344, 65.3887



29.0937, 17.6344, 32.1024

Rectangle

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



20.8076, 17.6344, 2.3358



11.9543, 17.6344, 2.9001



13.2763, 17.6344, 65.3887



22.7092, 17.6344, 60.6746

Sweetspot

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



20.8080, 17.6353, 2.3361



54.1451, 55.5221, 38.2214



17.2833, 8.7962, 6.6787



11.4842, 11.7094, 7.4784



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.



20.8080, 17.6353, 2.3361



37.4634, 31.4259, 4.0913



27.3503, 34.8854, 5.3209



7.8906, 8.2612, 7.9680



15.7310, 13.3593, 1.7495



0.4308, 0.4212, 0.0586

Inverse Universe

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



9.1475, 6.9678, 37.9082



16.3136, 12.1061, 68.7020



7.2744, 2.9498, 37.2314



7.3696, 7.7761, 9.5309



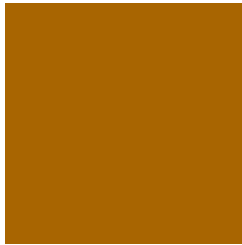
6.9186, 5.2973, 28.6333



0.2187, 0.2296, 0.7134

Previews

White Background



This preview shows how the XYZ color 20.8076, 17.6344, 2.3358 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



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

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

XYZ 20.8076, 17.6344, 2.3358

Background



This preview shows how black text looks on a background with the XYZ color 20.8076, 17.6344, 2.3358.



This preview shows how white text looks on a background with the XYZ color 20.8076, 17.6344,

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

20.8076, 17.6344, 2.3358

Protanopia

15.9497, 17.6572, 2.9483

Deuteranopia

17.8972, 17.6648, 2.4664



Tritanopia

23.3649, 17.7156, 14.4999

Trichromacy



Original Color

20.8076, 17.6344, 2.3358

Protanomaly

17.4108, 17.4083, 2.7009

Deuteranomaly

18.7753, 17.4840, 2.3852

Tritanomaly

22.0234, 17.5890, 7.2353

Monochromacy



Original Color

20.8076, 17.6344, 2.3358

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.7233, 15.7829, 8.0120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8076, 17.6344, 2.3358 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, 101, 1)` looks like.

```
.text, #text, p{  
    color:rgb(168, 101, 1)  
}
```

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, 101, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 101, 1) }
```

Border

The CSS property to change the border of an element to XYZ 20.8076, 17.6344, 2.3358 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, 101, 1) }
```


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

```
.border{ border-color:rgb(168, 101, 1) }
```

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

Here you see how a box with a 4 pixel rgb(168, 101, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 101, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 101, 1);  
box-shadow:4px 4px 4px 4px rgb(168, 101,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8076, 17.6344, 2.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 101, 1) }
```

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

```
.background{ background-color: rgb(168,  
101, 1) }
```

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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