

Converting Colors

XYZ(20.8350, 17.6453, 2.4801)

Have a look what the booklet for
XYZ(20.8350, 17.6453, 2.4801)
contains.

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Color

**XYZ(20.8350, 17.6453,
2.4801)**

Conversions

Conversions Part 1

Format	Color
Hex	A86506
RGB	168, 101, 6
RGB Percent	66%, 40%, 2%
CMY	0.3412, 0.6039, 0.9764
CMYK	0.00, 0.40, 0.96, 0.34
HSL	35°, 93%, 34%
HSV	35°, 96%, 66%
XYZ	20.8350, 17.6453, 2.4801
YIQ	110.2030, 70.4270, -15.3410

Conversions

Conversions Part 2

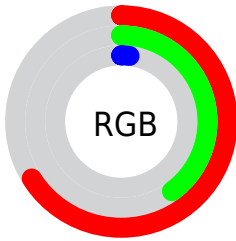
Format	Color
R _Y B	120, 168, 6
Decimal	11035910
CIE Lab	49.06, 21.03, 55.48
CIE LCh	49, 59.337, 69.239
Yxy	17.6453, 0.5087, 0.4308
Android (android.graphics.Color)	4289225990 (0xFFA86506)
YUV	110.2030, -51.3721, 50.6880
Hunter-Lab	42.0063, 15.0244, 25.9039

Details

The XYZ color **20.8350, 17.6453, 2.4801** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.5257, 7.6312, 38.0164**, and the grayscale version is **15.0089, 15.7905, 17.1959**.

A 20% lighter version of the original color is **44.1773, 39.3321, 10.2645**, and **7.7496, 5.9533, 0.7407** is the 20% darker color. If you saturate the color by 10%, you get **20.5649, 17.1578, 2.2279**, and if you desaturate by 10%, it is **21.6586, 19.1010, 3.3458**.

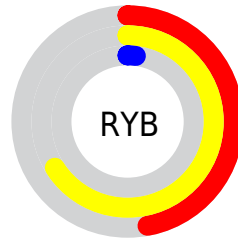
Distribution



Red (66%)

Green (40%)

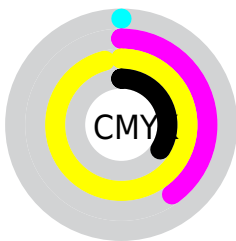
Blue (2%)



Red (47%)

Yellow (66%)

Blue (2%)

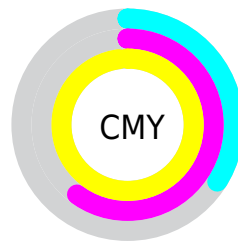


Cyan (0%)

Magenta (40%)

Yellow (96%)

Black (34%)



Cyan (34%)

Magenta (60%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8350, 17.6453, 2.4801 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 20.8350, 17.6453, 2.4801 by changing the saturation by 10% instead.

■ 20.8350, 17.6453,
2.4801

■ 20.8350, 17.6453,
2.4801

249.1486,
238.8641, 129.4354

■ 13.1152, 10.6956,
0.8296

■ 44.3061, 39.4320,
10.3161

■ 7.5855, 5.8626,
0.0000

■ 60.7882, 55.0378,
17.3448

■ 3.8804, 2.7617,
0.0000

■ 80.9217, 74.2978,
27.0054

■ 1.6347, 1.0086,
0.0000

■ 105.0720, 97.5963,
39.7164

■ 0.4149, 0.0000,
0.0000

■ 133.6045,
125.3179, 55.8964

■ 0.0000, 0.0000,
0.0000

■ 166.8845,

157.8467, 75.9639

205.2775,
195.5673, 100.3374

20.8350, 17.6453,
2.4801

20.8350, 17.6453,
2.4801

20.5649, 17.1578,
2.2279

21.6586, 19.1010,
3.3458

22.6441, 20.7141,
4.7774

23.8131, 22.4962,
6.8809

25.1813, 24.4555,
9.7326

26.7623, 26.5995,
13.3981

■ 28.5683, 28.9349,
17.9360

■ 30.6106, 31.4681,
23.3993

■ 32.8994, 34.2050,
29.8367

■ 35.4444, 37.1513,
37.2937

Harmonies

Analogous

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



26.4415, 17.6453, 5.6604



20.8350, 17.6453, 2.4801



15.1196, 17.6453, 2.0971

Triad

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



20.8350, 17.6453, 2.4801



8.3055, 17.6453, 24.5351



24.4467, 17.6453, 53.8215

Complementary

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



20.8350, 17.6453, 2.4801



9.5257, 7.6312, 38.0164

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.



18.5392, 17.6453, 67.7509



20.8350, 17.6453, 2.4801



9.8035, 17.6453, 45.6706

Square

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



20.8350, 17.6453, 2.4801



8.6565, 17.6453, 10.3052



13.2737, 17.6453, 64.1465



28.8249, 17.6453, 32.1730

Rectangle

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



20.8350, 17.6453, 2.4801



12.0904, 17.6453, 2.9991



13.2737, 17.6453, 64.1465



22.5271, 17.6453, 59.9849

Sweetspot

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



20.8354, 17.6462, 2.4804



54.3490, 55.6361, 39.1951



17.4329, 8.9429, 7.1986



11.5161, 11.7171, 7.6618



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.



20.8354, 17.6462, 2.4804



37.1021, 30.7032, 3.9708



27.4573, 34.9374, 5.4689



7.8829, 8.2458, 7.9654



15.5813, 13.0599, 1.6996



0.4277, 0.4150, 0.0576

Inverse Universe

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



9.5257, 7.6312, 38.0164



16.5408, 12.5605, 68.7777



7.4116, 3.1011, 37.2535



7.3771, 7.7912, 9.5334



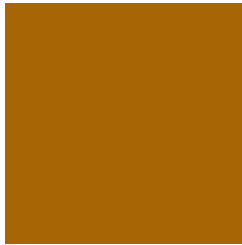
7.0150, 5.4903, 28.6655



0.2214, 0.2351, 0.7144

Previews

White Background



This preview shows how the XYZ color 20.8350, 17.6453, 2.4801 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 20.8350, 17.6453, 2.4801 looks on a 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 20.8350, 17.6453, 2.4801

Background



This preview shows how black text looks on a background with the XYZ color 20.8350, 17.6453, 2.4801.



This preview shows how white text looks on a background with the XYZ color 20.8350, 17.6453,

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

20.8350, 17.6453, 2.4801

Protanopia

15.9563, 17.6598, 2.9832

Deuteranopia

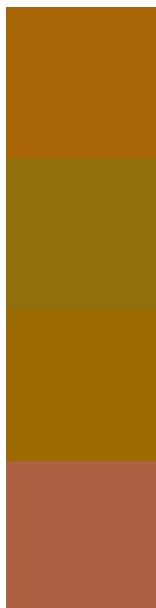
17.8972, 17.6648, 2.4664



Tritanopia

23.3649, 17.7156, 14.4999

Trichromacy



Original Color

20.8350, 17.6453, 2.4801

Protanomaly

17.4219, 17.4128, 2.7594

Deuteranomaly

18.7862, 17.4883, 2.4429

Tritanomaly

22.0526, 17.6007, 7.3892

Monochromacy



Original Color

20.8350, 17.6453, 2.4801

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.7875, 15.8086, 8.3502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8350, 17.6453, 2.4801 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(168, 101, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 101, 6) }
```

Border

The CSS property to change the border of an element to XYZ 20.8350, 17.6453, 2.4801 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, 6) }
```


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

```
.border{ border-color:rgb(168, 101, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 101, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 101, 6);  
box-shadow:4px 4px 4px 4px rgb(168, 101,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8350, 17.6453, 2.4801 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, 6) }
```

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

```
.background{ background-color: rgb(168,  
101, 6) }
```

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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