

Converting Colors

XYZ(20.3105, 18.1360, 2.4279)

Have a look what the booklet for
XYZ(20.3105, 18.1360, 2.4279)
contains.

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Color

**XYZ(20.2583, 18.0946,
2.4249)**

Conversions

Conversions Part 1

Format	Color
Hex	A36A00
RGB	163, 106, 0
RGB Percent	64%, 42%, 0%
CMY	0.3608, 0.5843, 1.0000
CMYK	0.00, 0.35, 1.00, 0.36
HSL	39°, 100%, 32%
HSV	39°, 100%, 64%
XYZ	20.2583, 18.0946, 2.4249
YIQ	110.9590, 67.9980, -20.8820

Conversions

Conversions Part 2

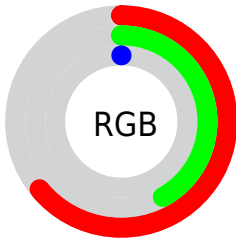
Format	Color
R_{YB}	88, 163, 0
Decimal	10709504
CIE _{Lab}	49.61, 15.87, 56.85
CIE _{LCh}	50, 59.024, 74.407
Yxy	18.0946, 0.4968, 0.4437
Android (android.graphics.Color)	4288899584 (0xFFA36A00)
YUV	110.9590, -54.7028, 45.6400
Hunter-Lab	42.5377, 10.5683, 26.3965

Details

The XYZ color **20.2583, 18.0946, 2.4249** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.0741, 5.5708, 35.2998**, and the grayscale version is **15.2381, 16.0317, 17.4585**.

A 20% lighter version of the original color is **43.3856, 40.1608, 10.1678**, and **7.5078, 6.1921, 0.7995** is the 20% darker color. If you saturate the color by 10%, you get **20.2584, 18.0950, 2.4250**, and if you desaturate by 10%, it is **20.9616, 19.3480, 3.1321**.

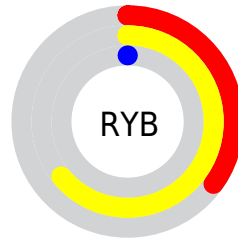
Distribution



Red (64%)

Green (42%)

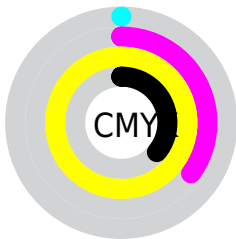
Blue (0%)



Red (35%)

Yellow (64%)

Blue (0%)

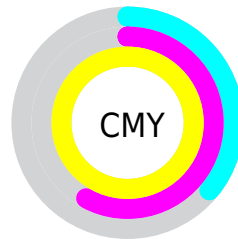


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2583, 18.0946, 2.4249 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 20.2583, 18.0946, 2.4249 by changing the saturation by 10% instead.

■ 20.2583, 18.0946,
2.4249

■ 20.2583, 18.0946,
2.4249

246.1170,
241.4037, 128.6603

■ 12.6923, 11.0179,
0.8000

■ 43.3505, 40.1985,
10.1729

■ 7.2925, 6.0789,
0.0000

■ 59.6073, 55.9944,
17.1422

■ 3.6937, 2.8931,
0.0000

■ 79.4919, 75.4656,
26.7331

■ 1.5303, 1.0762,
0.0000

■ 103.3694, 98.9964,
39.3641


■ 0.3463, 0.0000,
0.0000


■ 131.6054,
126.9712, 55.4538


■ 0.0000, 0.0000,
0.0000


■ 164.5651,


159.7745, 75.4207


 202.6138,
197.7905, 99.6834


 20.2583, 18.0946,
2.4249


 20.2583, 18.0946,
2.4249


 20.2584, 18.0950,
2.4250

 20.9616, 19.3480,
3.1321

 21.7817, 20.7111,
4.2597

 22.7524, 22.1991,
5.9811

 23.8887, 23.8193,
8.3710

 25.2032, 25.5778,
11.4932

■ 26.7074, 27.4802,
15.4040

■ 28.4114, 29.5316,
20.1541

■ 30.3246, 31.7367,
25.7899

■ 32.4557, 34.1001,
32.3545

Harmonies

Analogous

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



26.0952, 18.0946, 5.0419



20.2583, 18.0946, 2.4249



14.6557, 18.0946, 2.3843

Triad

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



20.2583, 18.0946, 2.4249



8.7349, 18.0946, 28.4148



25.8877, 18.0946, 50.9661

Complementary

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



20.2583, 18.0946, 2.4249



8.0741, 5.5708, 35.2998

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.



20.0193, 18.0946, 67.2104



20.2583, 18.0946, 2.4249



10.5956, 18.0946, 50.1208

Square

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



20.2583, 18.0946, 2.4249



8.7716, 18.0946, 12.5206



14.4632, 18.0946, 66.8370



29.7954, 18.0946, 29.2086

Rectangle

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



20.2583, 18.0946, 2.4249



11.8028, 18.0946, 3.6393



14.4632, 18.0946, 66.8370



24.0292, 18.0946, 57.6714

Sweetspot

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



20.2587, 18.0955, 2.4252



50.7021, 52.6760, 35.5765



15.8441, 8.0826, 4.6030



11.1043, 11.4936, 7.1895



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.2587, 18.0955, 2.4252



36.0876, 32.0192, 4.2783



23.6697, 31.6445, 4.8607



7.4400, 7.8183, 7.4970



15.7883, 14.1506, 1.8992



0.3734, 0.3807, 0.0538

Inverse Universe

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



8.0741, 5.5708, 35.2998



14.2889, 9.6346, 63.1627



6.9985, 2.8443, 34.8302



6.8936, 7.2462, 8.9384



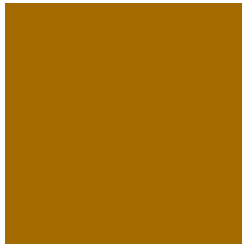
6.3141, 4.4076, 27.4477



0.1757, 0.1787, 0.5911

Previews

White Background



This preview shows how the XYZ color 20.2583, 18.0946, 2.4249 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 20.2583, 18.0946, 2.4249 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 20.2583, 18.0946, 2.4249

Background



This preview shows how black text looks on a background with the XYZ color 20.2583, 18.0946, 2.4249.



This preview shows how white text looks on a background with the XYZ color 20.2583, 18.0946,

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

20.2583, 18.0946, 2.4249

Protanopia

16.4887, 18.2861, 2.9771

Deuteranopia

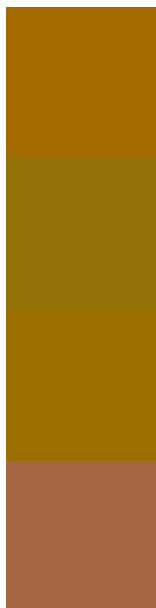
18.3718, 18.0724, 2.5200



Tritanopia

22.9997, 18.1798, 15.9325

Trichromacy



Original Color

20.2583, 18.0946, 2.4249

Protanomaly

17.7327, 18.0697, 2.7542

Deuteranomaly

19.0935, 18.1204, 2.4913

Tritanomaly

21.4904, 18.0150, 7.6548

Monochromacy



Original Color

20.2583, 18.0946, 2.4249

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.8119, 16.1380, 8.2428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2583, 18.0946, 2.4249 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(163, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 106, 0)  
}
```

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(163, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 106, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.2583, 18.0946, 2.4249 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(163, 106, 0) }
```


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

```
.border{ border-color:rgb(163, 106, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 106, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 106,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2583, 18.0946, 2.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 106, 0) }
```

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

```
.background{ background-color: rgb(163,  
106, 0) }
```

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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