

Converting Colors

XYZ(20.1157, 17.1967, 0.0000)

Have a look what the booklet for
XYZ(20.1157, 17.1967, 0.0000)
contains.

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Color

**XYZ(20.4935, 17.3298,
2.2649)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A76400 |
| RGB | 167, 100, 0 |
| RGB Percent | 65%, 39%, 0% |
| CMY | 0.3451, 0.6078, 1.0000 |
| CMYK | 0.00, 0.40, 1.00, 0.35 |
| HSL | 36°, 100%, 33% |
| HSV | 36°, 100%, 65% |
| XYZ | 20.4935, 17.3298, 2.2649 |
| YIQ | 108.6330, 72.0320, -16.8960 |

Conversions

Conversions Part 2

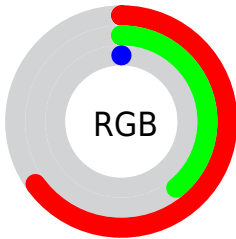
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 112, 167, 0 |
| Decimal | 10970112 |
| CIE Lab | 48.67, 21.06, 56.50 |
| CIE LCh | 49, 60.298, 69.559 |
| Yxy | 17.3298, 0.5112, 0.4323 |
| Android (android.graphics.Color) | 4289160192 (0xFFA76400) |
| YUV | 108.6330, -53.5561, 51.1879 |
| Hunter-Lab | 41.6291, 15.0225, 25.9146 |

Details

The XYZ color **20.4935, 17.3298, 2.2649** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.9823, 6.8045, 37.3989**, and the grayscale version is **14.5650, 15.3235, 16.6873**.

A 20% lighter version of the original color is **43.6147, 38.8119, 9.7501**, and **7.5798, 5.7974, 0.7195** is the 20% darker color. If you saturate the color by 10%, you get **20.4936, 17.3302, 2.2649**, and if you desaturate by 10%, it is **21.2621, 18.7089, 3.0089**.

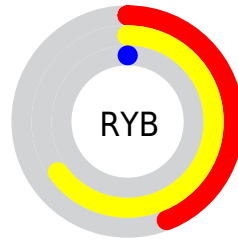
Distribution



Red (65%)

Green (39%)

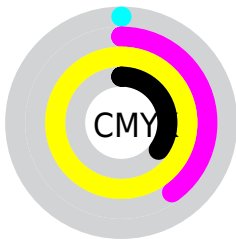
Blue (0%)



Red (44%)

Yellow (65%)

Blue (0%)

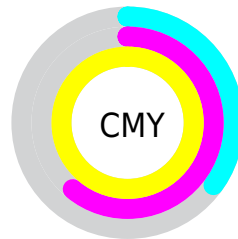


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4935, 17.3298, 2.2649 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 20.4935, 17.3298, 2.2649 by changing the saturation by 10% instead.

■ 20.4935, 17.3298,
2.2649

■ 20.4935, 17.3298,
2.2649

247.3573,
237.0658, 126.3633

■ 12.8646, 10.4699,
0.7115

■ 43.7407, 38.8920,
9.7531

■ 7.4117, 5.7116,
0.0000

■ 60.0897, 54.3630,
16.5465

■ 3.7695, 2.6705,
0.0000

■ 80.0762, 73.4732,
25.9306

■ 1.5726, 0.9623,
0.0000

■ 104.0654, 96.6070,
38.3242


■ 0.3744, 0.0000,
0.0000


■ 132.4228,
124.1488, 54.1457


■ 0.0000, 0.0000,
0.0000


■ 165.5137,


156.4829, 73.8137


 203.7034,
193.9938, 97.7467


 20.4935, 17.3298,
2.2649


 20.4935, 17.3298,
2.2649


 20.4936, 17.3302,
2.2649

 21.2621, 18.7089,
3.0089

 22.1668, 20.2282,
4.2050

 23.2432, 21.9046,
6.0327

 24.5076, 23.7464,
8.5717

 25.9738, 25.7611,
11.8899

■ 27.6543, 27.9551,
16.0474

■ 29.5602, 30.3348,
21.0980

■ 31.7020, 32.9059,
27.0912

■ 34.0892, 35.6739,
34.0727

Harmonies

Analogous

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



26.1627, 17.3298, 5.3171



20.4935, 17.3298, 2.2649



14.7595, 17.3298, 1.9186

Triad

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



20.4935, 17.3298, 2.2649



8.0196, 17.3298, 24.4227



24.2596, 17.3298, 53.6765

Complementary

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



20.4935, 17.3298, 2.2649



8.9823, 6.8045, 37.3989

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.



18.3109, 17.3298, 68.0140



20.4935, 17.3298, 2.2649



9.5287, 17.3298, 45.8498

Square

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



20.4935, 17.3298, 2.2649



8.3487, 17.3298, 10.0703



13.0134, 17.3298, 64.5426



28.6542, 17.3298, 31.7063

Rectangle

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



20.4935, 17.3298, 2.2649



11.7412, 17.3298, 2.8031



13.0134, 17.3298, 64.5426



22.3270, 17.3298, 59.9855

Sweetspot

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



20.4939, 17.3307, 2.2652



52.7434, 54.0863, 37.2476



17.0288, 8.6526, 6.4988



11.4842, 11.7093, 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.



20.4939, 17.3307, 2.2652



36.4962, 30.6239, 3.9874



26.9712, 34.4176, 5.2219



7.8906, 8.2612, 7.9680



15.7310, 13.3592, 1.7495



0.4308, 0.4212, 0.0586

Inverse Universe

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



8.9823, 6.8045, 37.3989



15.8965, 11.8061, 66.9162



7.1550, 2.8829, 36.7382



7.3696, 7.7761, 9.5309



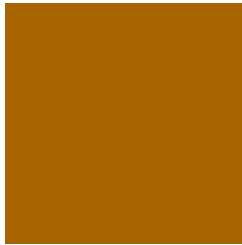
6.9186, 5.2974, 28.6333



0.2187, 0.2296, 0.7134

Previews

White Background



This preview shows how the XYZ color 20.4935, 17.3298, 2.2649 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 20.4935, 17.3298, 2.2649 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 20.4935, 17.3298, 2.2649

Background



This preview shows how black text looks on a background with the XYZ color 20.4935, 17.3298, 2.2649.



This preview shows how white text looks on a background with the XYZ color 20.4935, 17.3298,

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

20.4935, 17.3298, 2.2649

Protanopia

15.7940, 17.5769, 2.9410

Deuteranopia

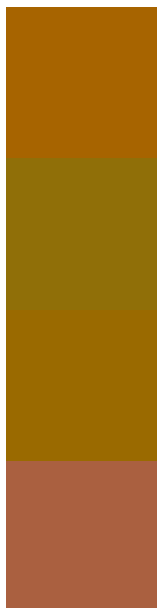
17.6086, 17.3549, 2.4218



Tritanopia

23.0092, 17.4067, 14.2037

Trichromacy



Original Color

20.4935, 17.3298, 2.2649

Protanomaly

17.2299, 17.3157, 2.6639

Deuteranomaly

18.4805, 17.1781, 2.3417

Tritanomaly

21.6858, 17.2820, 7.0433

Monochromacy



Original Color

20.4935, 17.3298, 2.2649

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.4341, 15.4836, 7.8054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4935, 17.3298, 2.2649 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(167, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 100, 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(167, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 100, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.4935, 17.3298, 2.2649 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(167, 100, 0) }
```


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

```
.border{ border-color:rgb(167, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(167, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 100,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4935, 17.3298, 2.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 100, 0) }
```

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

```
.background{ background-color: rgb(167,  
100, 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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