

# Converting Colors

XYZ(29.6758, 26.1446, 5.3161)

Have a look what the booklet for  
XYZ(29.6758, 26.1446, 5.3161)  
contains.

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# Color

**XYZ(29.6758, 26.1446,  
5.3161)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C17D26
RGB	193, 125, 38
RGB Percent	76%, 49%, 15%
CMY	0.2431, 0.5098, 0.8510
CMYK	0.00, 0.35, 0.80, 0.24
HSL	34°, 67%, 45%
HSV	34°, 80%, 76%
XYZ	29.6758, 26.1446, 5.3161
YIQ	135.4140, 68.4550, -12.6410

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 193, 38
Decimal	12680486
CIE <sub>Lab</sub>	58.17, 19.49, 54.79
CIE <sub>LCh</sub>	58, 58.150, 70.421
Yxy	26.1446, 0.4854, 0.4276
Android (android.graphics.Color)	4290870566 (0xFFC17D26)
YUV	135.4140, -48.0251, 50.5029
Hunter-Lab	51.1318, 14.1170, 29.6280

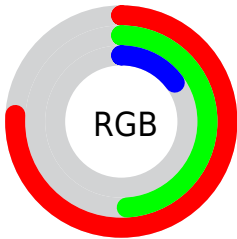
# Details

The XYZ color **29.6758, 26.1446, 5.3161** is a dark color, and the websafe version is hex **996600**.

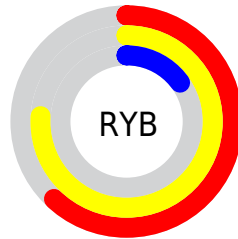
The color can be described as dark muted orange. A complement of this color would be **15.5788, 14.5700, 52.4430**, and the grayscale version is **23.3391, 24.5546, 26.7399**.

A 20% lighter version of the original color is **58.6389, 53.6498, 16.9377**, and **12.4160, 10.2372, 1.3216** is the 20% darker color. If you saturate the color by 10%, you get **28.4149, 23.9988, 3.7375**, and if you desaturate by 10%, it is **31.1906, 28.5404, 7.7757**.

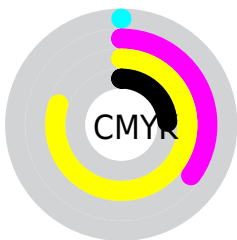
# Distribution



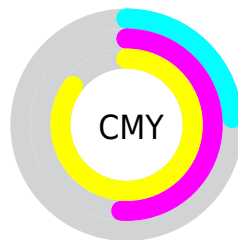
- Red (76%)
- Green (49%)
- Blue (15%)



- Red (62%)
- Yellow (76%)
- Blue (15%)



- Cyan (0%)
- Magenta (35%)
- Yellow (80%)
- Black (24%)




- Cyan (24%)
- Magenta (51%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6758, 26.1446, 5.3161 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 29.6758, 26.1446, 5.3161 by changing the saturation by 10% instead.





 29.6758, 26.1446,  
5.3161


 29.6758, 26.1446,  
5.3161


292.3274,  
283.4912, 161.8904

 19.7395, 16.9318,  
2.3719


 58.5393, 53.5081,  
16.9464


 12.3130, 10.1859,  
0.7711


 78.1971, 72.4277,  
26.4697

 7.0309, 5.5224,  
0.0000


 101.8262, 95.3517,  
39.0230

 3.5279, 2.5569,  
0.0000

 129.7918,  
122.6644, 55.0251

 1.4387, 0.9051,  
0.0000

 162.4594,  
154.7503, 74.8943

 0.2836, 0.0000,  
0.0000

 200.1943,

 0.0000, 0.0000,

191.9939, 99.0492

0.0000

243.3618,  
234.7793, 127.9084

■ 29.6758, 26.1446,  
5.3161

■ 29.6758, 26.1446,  
5.3161

■ 28.4149, 23.9988,  
3.7375

■ 31.1906, 28.5404,  
7.7757

■ 27.3900, 22.1331,  
2.8285

■ 32.9816, 31.1953,  
11.2310

■ 35.0702, 34.1223,  
15.7809

■ 37.4745, 37.3320,  
21.5118

■ 40.2112, 40.8342,  
28.5012

■ 43.2956, 44.6381,  
36.8201

■ 46.7419, 48.7523,  
46.5342

■ 50.5634, 53.1852,  
57.7045

■ 54.7728, 57.9446,  
70.3888

# Harmonies

## Analogous

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



36.6673, 26.1446, 9.9821



29.6758, 26.1446, 5.3161



22.4768, 26.1446, 4.8089

# Triad

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



29.6758, 26.1446, 5.3161



13.7575, 26.1446, 36.0848



34.7190, 26.1446, 69.4438

# Complementary

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



29.6758, 26.1446, 5.3161



15.5788, 14.5700, 52.4430

# 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.



27.3839, 26.1446, 86.2834



29.6758, 26.1446, 5.3161



15.8906, 26.1446, 61.7989

# Square

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



29.6758, 26.1446, 5.3161



14.1388, 26.1446, 17.3365



20.5774, 26.1446, 82.9663



39.9389, 26.1446, 43.5629



# Rectangle

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



29.6758, 26.1446, 5.3161



18.5969, 26.1446, 6.3950



20.5774, 26.1446, 82.9663



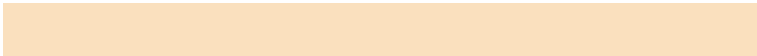
32.3671, 26.1446, 76.7985

# Sweetspot

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



29.6764, 26.1459, 5.3166



75.2199, 77.1108, 59.5910



25.3790, 13.8013, 15.4445



15.7158, 16.0215, 11.6526



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



29.6764, 26.1459, 5.3166



49.5165, 40.4739, 5.4895



39.4876, 48.6250, 9.1384



10.5316, 10.9947, 10.6290



18.2985, 14.8827, 1.9082



0.8583, 0.7784, 0.1050



# Inverse Universe

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



15.5788, 14.5700, 52.4430



23.5227, 19.2762, 92.8412



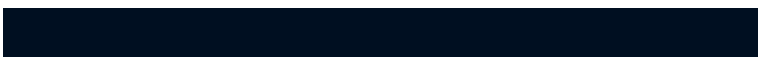
11.4344, 5.8118, 50.9709



9.8837, 10.4588, 12.7826



8.6222, 7.0008, 34.4535

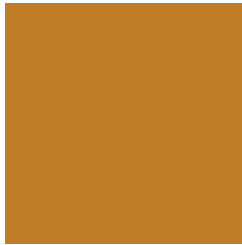


0.4411, 0.4395, 1.5115



# Previews

## White Background



This preview shows how the XYZ color 29.6758, 26.1446, 5.3161 looks on a white 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



# Black Background



This preview shows how the XYZ color 29.6758, 26.1446, 5.3161 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 29.6758, 26.1446, 5.3161**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.6758, 26.1446, 5.3161.



This preview shows how white text looks on a background with the XYZ color 29.6758, 26.1446,



# 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

29.6758, 26.1446, 5.3161

### Protanopia

23.8474, 26.3850, 6.0264

### Deuteranopia

26.5954, 26.1265, 5.2313



## Tritanopia

33.3517, 26.2090, 22.7031

# Trichromacy



## Original Color

29.6758, 26.1446, 5.3161

## Protanomaly

25.6418, 26.0341, 5.7714

## Deuteranomaly

27.5925, 26.0377, 5.2406

## Tritanomaly

31.4572, 25.9590, 13.7085

# Monochromacy



## Original Color

29.6758, 26.1446, 5.3161

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

24.1269, 24.2206, 15.4600

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.6758, 26.1446, 5.3161 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(193, 125, 38)` looks like.

```
.text, #text, p{  
    color:rgb(193, 125, 38)  
}
```

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(193, 125, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 125, 38) }
```

## Border

The CSS property to change the border of an element to XYZ 29.6758, 26.1446, 5.3161 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(193, 125, 38) }
```



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

```
.border{ border-color:rgb(193, 125, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 125, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 125, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 125, 38);  
box-shadow:4px 4px 4px 4px rgb(193, 125,  
38) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.6758, 26.1446, 5.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 125, 38) }
```

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

```
.background{ background-color: rgb(193,  
125, 38) }
```

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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