

Converting Colors

XYZ(20.2826, 15.9154, 6.2779)

Have a look what the booklet for
XYZ(20.2826, 15.9154, 6.2779)
contains.

XYZ(20.2826, 15.9154, 6.2779)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.2826, 15.9154,
6.2779)**

Conversions

Conversions Part 1

Format	Color
Hex	A65B3C
RGB	166, 91, 60
RGB Percent	65%, 36%, 24%
CMY	0.3490, 0.6431, 0.7647
CMYK	0.00, 0.45, 0.64, 0.35
HSL	18°, 47%, 44%
HSV	18°, 64%, 65%
XYZ	20.2826, 15.9154, 6.2779
YIQ	109.8910, 54.6510, 6.2590

Conversions

Conversions Part 2

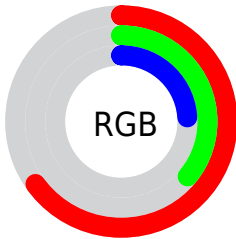
Format	Color
RYB	166, 104, 60
Decimal	10902332
CIELab	46.86, 27.83, 31.12
CIElCh	47, 41.747, 48.198
Yxy	15.9154, 0.4775, 0.3747
Android (android.graphics.Color)	4289092412 (0xFFA65B3C)
YUV	109.8910, -24.5963, 49.2076
Hunter-Lab	39.8941, 20.9367, 18.5958

Details

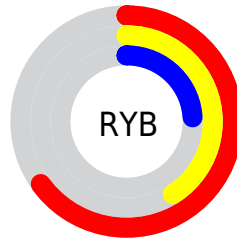
The XYZ color **20.2826, 15.9154, 6.2779** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.4098, 21.0406, 39.2199**, and the grayscale version is **14.8475, 15.6207, 17.0109**.

A 20% lighter version of the original color is **43.4311, 36.4363, 18.9312**, and **7.2641, 5.0164, 1.0756** is the 20% darker color. If you saturate the color by 10%, you get **18.9841, 13.9139, 4.0093**, and if you desaturate by 10%, it is **21.8767, 18.2879, 9.3244**.

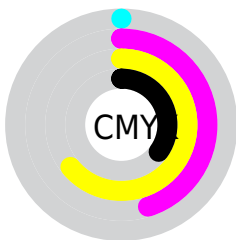
Distribution



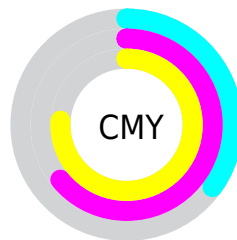
- Red (65%)
- Green (36%)
- Blue (24%)



- Red (65%)
- Yellow (41%)
- Blue (24%)



- Cyan (0%)
- Magenta (45%)
- Yellow (64%)
- Black (35%)





- Cyan (35%)
- Magenta (64%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2826, 15.9154, 6.2779 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 20.2826, 15.9154, 6.2779 by changing the saturation by 10% instead.


 20.2826, 15.9154,
6.2779


 20.2826, 15.9154,
6.2779


246.2454,
228.8420, 170.9176


 12.7101, 9.4643,
2.9433

 43.3908, 36.4513,
18.9926


 7.3048, 5.0453,
1.0657


 59.6572, 51.3048,
29.2097


 3.7015, 2.2738,
0.0000


 79.5523, 69.7280,
42.5581

 1.5347, 0.7598,
0.0000

 103.4415, 92.1052,
59.4562

 0.3492, 0.0000,
0.0000

 131.6900,
118.8208, 80.3227

 0.0000, 0.0000,
0.0000

 164.6632,

150.2592, 105.5761

202.7266,
186.8048, 135.6349

■ 20.2826, 15.9154,
6.2779

■ 20.2826, 15.9154,
6.2779

■ 18.9841, 13.9139,
4.0093

■ 21.8767, 18.2879,
9.3244

■ 17.9593, 12.2611,
2.4449

■ 23.7837, 21.0472,
13.2116

■ 17.1848, 10.9355,
1.4980

■ 26.0209, 24.2112,
17.9968

■ 16.8056, 10.2665,
1.0959

■ 28.6037, 27.7958,
23.7321

■ 31.5468, 31.8161,
30.4653

■ 34.8637, 36.2862,
38.2413

■ 38.5674, 41.2199,
47.1020

■ 42.6702, 46.6302,
57.0871

■ 47.1837, 52.5294,
68.2343

Harmonies

Analogous

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



22.7888, 15.9154, 11.7977



20.2826, 15.9154, 6.2779



16.6027, 15.9154, 4.1897

Triad

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



20.2826, 15.9154, 6.2779



9.2633, 15.9154, 13.5477



17.4174, 15.9154, 44.1612

Complementary

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



20.2826, 15.9154, 6.2779



17.4098, 21.0406, 39.2199

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.



13.7416, 15.9154, 45.2488



20.2826, 15.9154, 6.2779



9.4097, 15.9154, 24.3651

Square

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



20.2826, 15.9154, 6.2779



10.4907, 15.9154, 7.1154



10.9289, 15.9154, 36.9523



20.9607, 15.9154, 34.3965

Rectangle

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



20.2826, 15.9154, 6.2779



14.1519, 15.9154, 4.1054



10.9289, 15.9154, 36.9523



16.1462, 15.9154, 45.6648

Sweetspot

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



20.2830, 15.9162, 6.2782



54.2354, 53.6323, 48.3438



21.7833, 13.1154, 24.6636



11.8145, 11.5604, 10.0849



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.



20.2830, 15.9162, 6.2782



33.5441, 23.8036, 5.8275



26.3689, 28.0881, 8.3068



7.7033, 7.8866, 7.9055



13.0680, 8.0333, 0.8618



0.3615, 0.2825, 0.0355

Inverse Universe

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



17.4098, 21.0406, 39.2199



27.7903, 33.6518, 70.5060



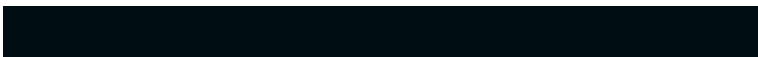
11.8372, 9.8954, 37.3624



7.5595, 8.1558, 9.5942



10.3524, 12.1649, 29.7779



0.2928, 0.3778, 0.7381

Previews

White Background



This preview shows how the XYZ color 20.2826, 15.9154, 6.2779 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 20.2826, 15.9154, 6.2779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

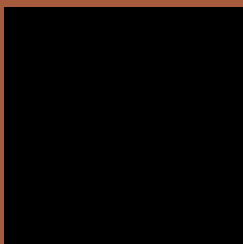
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2826, 15.9154, 6.2779

Background



This preview shows how black text looks on a background with the XYZ color 20.2826, 15.9154, 6.2779.



This preview shows how white text looks on a background with the XYZ color 20.2826, 15.9154,

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

20.2826, 15.9154, 6.2779

Protanopia

14.8333, 16.1312, 7.6420

Deuteranopia

16.2091, 15.9218, 6.0898



Tritanopia

21.5324, 15.9315, 12.2961

Trichromacy



Original Color

20.2826, 15.9154, 6.2779

Protanomaly

16.3570, 15.6741, 7.0138

Deuteranomaly

17.6301, 15.9087, 6.1445

Tritanomaly

20.9113, 15.7890, 9.7300

Monochromacy



Original Color

20.2826, 15.9154, 6.2779

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.9879, 15.2190, 12.2201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2826, 15.9154, 6.2779 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(166, 91, 60)` looks like.

```
.text, #text, p{  
    color:rgb(166, 91, 60)  
}
```

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(166, 91, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 91, 60) }
```

Border

The CSS property to change the border of an element to XYZ 20.2826, 15.9154, 6.2779 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(166, 91, 60) }
```


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

```
.border{ border-color:rgb(166, 91, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 91, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 91, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 91, 60);  
box-shadow:4px 4px 4px 4px rgb(166, 91,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2826, 15.9154, 6.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 91, 60) }
```

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

```
.background{ background-color: rgb(166, 91,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor