

Converting Colors

XYZ(20.6180, 16.9911, 13.9950)

Have a look what the booklet for
XYZ(20.6180, 16.9911, 13.9950)
contains.

XYZ(20.6186, 16.9926, 13.9976)	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(20.6186, 16.9926,
13.9976)**

Conversions

Conversions Part 1

Format	Color
Hex	9D6363
RGB	157, 99, 99
RGB Percent	62%, 39%, 39%
CMY	0.3843, 0.6117, 0.6118
CMYK	0.00, 0.37, 0.37, 0.38
HSL	0°, 23%, 50%
HSV	0°, 37%, 62%
XYZ	20.6186, 16.9926, 13.9976
YIQ	116.3420, 34.5680, 12.2960

Conversions

Conversions Part 2

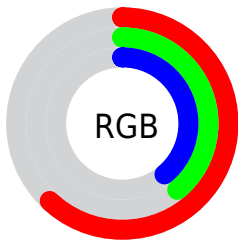
Format	Color
R_{YB}	157, 99, 99
Decimal	10314595
CIE _{Lab}	48.25, 23.49, 9.84
CIE _{LCh}	48, 25.464, 22.726
Yxy	16.9926, 0.3995, 0.3293
Android (android.graphics.Color)	4288504675 (0xFF9D6363)
YUV	116.3420, -8.5496, 35.6571
Hunter-Lab	41.2221, 17.1441, 8.7226

Details

The XYZ color **20.6186, 16.9926, 13.9976** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.2880, 29.1999, 36.3071**, and the grayscale version is **16.7238, 17.5948, 19.1607**.

A 20% lighter version of the original color is **43.8519, 38.1608, 33.9087**, and **7.4199, 5.5083, 4.0403** is the 20% darker color. If you saturate the color by 10%, you get **18.5943, 14.0306, 9.9728**, and if you desaturate by 10%, it is **23.0789, 20.5929, 18.8880**.

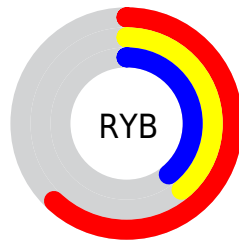
Distribution



Red (62%)

Green (39%)

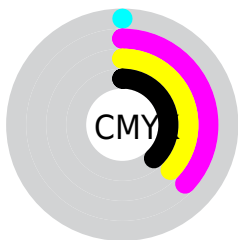
Blue (39%)



Red (62%)

Yellow (39%)

Blue (39%)

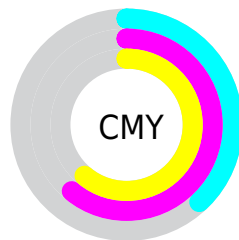


Cyan (0%)

Magenta (37%)

Yellow (37%)

Black (38%)



Cyan (38%)

Magenta (61%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6186, 16.9926, 13.9976 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 20.6186, 16.9926, 13.9976 by changing the saturation by 10% instead.


 20.6186, 16.9926,
13.9976


 20.6186, 16.9926,
13.9976


248.0148,
235.1297, 228.6438


 12.9564, 10.2292,
7.9803

 43.9480, 38.3131,
33.8018

 7.4753, 5.5512,
3.9947


 60.3458, 53.6389,
48.4258

 3.8100, 2.5742,
1.6225

 80.3863, 72.5877,
66.7558

 1.5952, 0.9137,
0.3068

 104.4347, 95.5439,
89.2102

 0.3893, 0.0000,
0.0000

132.8564,
122.8917, 116.2077

 0.0000, 0.0000,
0.0000

166.0167,

155.0157, 148.1668

204.2811,
192.3003, 185.5060

■ 20.6186, 16.9926,
13.9976

■ 20.6186, 16.9926,
13.9976

■ 18.5943, 14.0306,
9.9728

■ 23.0789, 20.5929,
18.8880

■ 16.9792, 11.6673,
6.7623

■ 25.9971, 24.8631,
24.6893

■ 15.7461, 9.8628,
4.3109


■ 29.3954, 29.8357,
31.4449


■ 14.8633, 8.5711,
2.5562

■ 33.2938, 35.5402,
39.1949


■ 14.2946, 7.7389,
1.4258


■ 37.7116, 42.0046,
47.9773


 13.9831, 7.2830,
0.8066

 42.6667, 49.2553,
57.8282

 13.9047, 7.1683,
0.6508

 48.1765, 57.3176,
68.7816

 54.2574, 66.2156,
80.8703

 60.9250, 75.9722,
94.1257

Harmonies

Analogous

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



20.9856, 16.9926, 20.1650



20.6186, 16.9926, 13.9976



19.0022, 16.9926, 10.0928

Triad

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



20.6186, 16.9926, 13.9976



12.8588, 16.9926, 11.8005



15.5934, 16.9926, 34.2640

Complementary

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



20.6186, 16.9926, 13.9976



23.2880, 29.1999, 36.3071

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.



13.6002, 16.9926, 30.6257



20.6186, 16.9926, 13.9976



12.1225, 16.9926, 16.9331

Square

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



20.6186, 16.9926, 13.9976



14.4902, 16.9926, 9.0523



12.3803, 16.9926, 23.8820



17.9340, 16.9926, 32.9423

Rectangle

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



20.6186, 16.9926, 13.9976



17.5103, 16.9926, 8.7970



12.3803, 16.9926, 23.8820



14.8638, 16.9926, 33.5559

Sweetspot

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



20.6190, 16.9934, 13.9979



49.9381, 49.4730, 50.9352



24.4524, 18.5263, 34.1855



10.8226, 10.6434, 10.8780



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.6190, 16.9934, 13.9979



33.9978, 26.1477, 19.2464



23.8761, 23.5075, 15.0836



6.6331, 6.6462, 6.9189



11.2932, 5.8220, 0.5285



0.2019, 0.1041, 0.0095

Inverse Universe

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



23.2880, 29.1999, 36.3071



39.4615, 51.1366, 64.9172



18.9507, 20.5255, 34.8613



6.8218, 7.5094, 8.4966



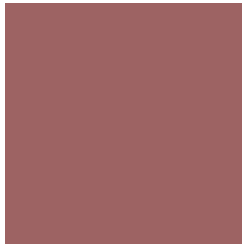
14.7341, 21.5597, 29.2921



0.2635, 0.3855, 0.5238

Previews

White Background



This preview shows how the XYZ color 20.6186, 16.9926, 13.9976 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 20.6186, 16.9926, 13.9976 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 20.6186, 16.9926, 13.9976

Background



This preview shows how black text looks on a background with the XYZ color 20.6186, 16.9926, 13.9976.



This preview shows how white text looks on a background with the XYZ color 20.6186, 16.9926,

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

20.6186, 16.9926, 13.9976

Protanopia

16.3923, 17.2449, 16.3746

Deuteranopia

17.3578, 17.1375, 13.7023



Tritanopia

21.0180, 17.0244, 15.5429

Trichromacy



Original Color

20.6186, 16.9926, 13.9976

Protanomaly

17.6402, 16.9233, 15.4335

Deuteranomaly

18.4468, 17.0600, 13.8759

Tritanomaly

20.9164, 16.9837, 15.0077

Monochromacy



Original Color

20.6186, 16.9926, 13.9976

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.7505, 17.1029, 17.1175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6186, 16.9926, 13.9976 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(157, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(157, 99, 99)  
}
```

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(157, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 99, 99) }
```

Border

The CSS property to change the border of an element to XYZ 20.6186, 16.9926, 13.9976 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(157, 99, 99) }
```


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

```
.border{ border-color:rgb(157, 99, 99) }
```

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

Here you see how a box with a 4 pixel rgb(157, 99, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(157, 99,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6186, 16.9926, 13.9976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 99, 99) }
```

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

```
.background{ background-color: rgb(157, 99,  
99) }
```

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