

Converting Colors

XYZ(20.4636, 14.9291, 13.5178)

Have a look what the booklet for
XYZ(20.4636, 14.9291, 13.5178)
contains.

XYZ(20.4496, 14.8739, 13.5975)	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(20.4496, 14.8739,
13.5975)**

Conversions

Conversions Part 1

Format	Color
Hex	A35363
RGB	163, 83, 99
RGB Percent	64%, 33%, 39%
CMY	0.3608, 0.6745, 0.6118
CMYK	0.00, 0.49, 0.39, 0.36
HSL	348°, 33%, 48%
HSV	348°, 49%, 64%
XYZ	20.4496, 14.8739, 13.5975
YIQ	108.7440, 42.5440, 21.9360

Conversions

Conversions Part 2

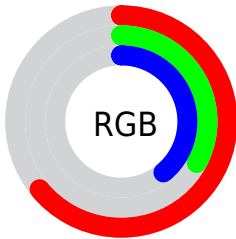
Format	Color
RYB	163, 83, 99
Decimal	10703715
CIELab	45.46, 34.69, 6.00
CIELCh	45, 35.204, 9.811
Yxy	14.8739, 0.4180, 0.3040
Android (android.graphics.Color)	4288893795 (0xFFA35363)
YUV	108.7440, -4.8038, 47.5825
Hunter-Lab	38.5667, 27.1561, 6.0927

Details

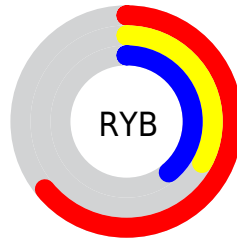
The XYZ color **20.4496, 14.8739, 13.5975** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.9317, 30.1402, 32.2672**, and the grayscale version is **14.4685, 15.2220, 16.5768**.

A 20% lighter version of the original color is **43.5453, 34.4678, 33.2120**, and **7.3990, 4.5892, 3.8640** is the 20% darker color. If you saturate the color by 10%, you get **18.7720, 12.4371, 10.2068**, and if you desaturate by 10%, it is **22.5219, 17.9389, 17.6168**.

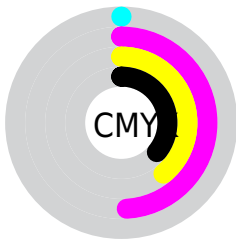
Distribution



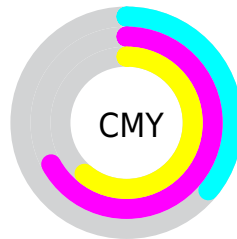
- Red (64%)
- Green (33%)
- Blue (39%)



- Red (64%)
- Yellow (33%)
- Blue (39%)



- Cyan (0%)
- Magenta (49%)
- Yellow (39%)
- Black (36%)



- Cyan (36%)
- Magenta (67%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4496, 14.8739, 13.5975 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 20.4496, 14.8739, 13.5975 by changing the saturation by 10% instead.

■ 20.4496, 14.8739,
13.5975

■ 20.4496, 14.8739,
13.5975

247.1262,
222.6017, 226.0530

■ 12.8324, 8.7309,
7.7057

■ 43.6679, 34.6318,
33.0799

■ 7.3895, 4.5661,
3.8222

■ 59.9998, 49.0155,
47.5076

■ 3.7553, 1.9950,
1.5283

■ 79.9672, 66.9150,
65.6177

■ 1.5647, 0.6046,
0.2389

■ 103.9357, 88.7145,
87.8287

■ 0.3692, 0.0000,
0.0000

■ 132.2704,
114.7986, 114.5592

■ 0.0000, 0.0000,
0.0000

165.3369,

145.5515, 146.2277

203.5004,
181.3578, 183.2528

■ 20.4496, 14.8739,
13.5975

■ 20.4496, 14.8739,
13.5975

■ 18.7720, 12.4371,
10.2068

■ 22.5219, 17.9389,
17.6168

■ 17.4621, 10.5825,
7.4116

■ 25.0111, 21.6692,
22.2938

■ 16.4916, 9.2615,
5.1766


■ 27.9389, 26.1018,
27.6569


■ 15.8272, 8.4168,
3.4626

■ 31.3255, 31.2703,
33.7325


■ 15.4063, 7.9335,
2.2174


■ 35.1895, 37.2062,
40.5454

 15.3730, 7.8940,
2.1226

 39.5487, 43.9391,
48.1196

 44.4198, 51.4969,
56.4776

 49.8188, 59.9063,
65.6412

 55.7611, 69.1928,
75.6312

Harmonies

Analogous

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



20.1140, 14.8739, 22.4287



20.4496, 14.8739, 13.5975



18.9234, 14.8739, 7.9031

Triad

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



20.4496, 14.8739, 13.5975



10.8271, 14.8739, 6.6914



12.2800, 14.8739, 36.5588

Complementary

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



20.4496, 14.8739, 13.5975



21.9317, 30.1402, 32.2672

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.



10.2348, 14.8739, 28.8834



20.4496, 14.8739, 13.5975



9.4799, 14.8739, 11.2390

Square

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



20.4496, 14.8739, 13.5975



13.1984, 14.8739, 4.9288



9.2792, 14.8739, 19.1042



15.1195, 14.8739, 37.8745

Rectangle

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



20.4496, 14.8739, 13.5975



17.1648, 14.8739, 5.8663



9.2792, 14.8739, 19.1042



11.4883, 14.8739, 34.5366

Sweetspot

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



20.4500, 14.8747, 13.5978



52.2418, 50.1041, 53.5118



21.7372, 15.0347, 36.4065



11.4682, 10.8493, 11.5410



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.



20.4500, 14.8747, 13.5978



33.3512, 21.8895, 17.7224



21.9238, 18.9272, 10.6825



7.1290, 7.1081, 7.6657



11.9614, 6.1406, 1.7214



0.2662, 0.1350, 0.1145

Inverse Universe

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



20.4500, 14.8747, 13.5978



33.3512, 21.8895, 17.7224



19.4114, 22.9492, 38.0567



7.1290, 7.1081, 7.6657



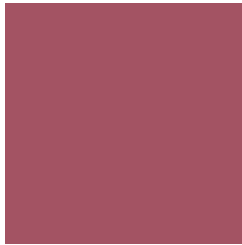
11.9614, 6.1406, 1.7214



0.2662, 0.1350, 0.1145

Previews

White Background



This preview shows how the XYZ color 20.4496, 14.8739, 13.5975 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 20.4496, 14.8739, 13.5975 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 20.4496, 14.8739, 13.5975

Background



This preview shows how black text looks on a background with the XYZ color 20.4496, 14.8739, 13.5975.



This preview shows how white text looks on a background with the XYZ color 20.4496, 14.8739,

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

20.4496, 14.8739, 13.5975

Protanopia

14.6499, 15.1686, 17.7785

Deuteranopia

15.1843, 14.9378, 12.9095



Tritanopia

19.9589, 14.7774, 11.6979

Trichromacy



Original Color

20.4496, 14.8739, 13.5975

Protanomaly

16.2219, 14.6735, 16.1646

Deuteranomaly

16.7754, 14.6135, 13.0029

Tritanomaly

20.0910, 14.8302, 12.3933

Monochromacy



Original Color

20.4496, 14.8739, 13.5975

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.1602, 14.8014, 15.3698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4496, 14.8739, 13.5975 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, 83, 99)` looks like.

```
.text, #text, p{  
    color:rgb(163, 83, 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(163, 83, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 83, 99) }
```

Border

The CSS property to change the border of an element to XYZ 20.4496, 14.8739, 13.5975 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, 83, 99) }
```


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

```
.border{ border-color:rgb(163, 83, 99) }
```

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

Here you see how a box with a 4 pixel rgb(163, 83, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 83, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 83, 99);  
box-shadow:4px 4px 4px 4px rgb(163, 83,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4496, 14.8739, 13.5975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 83, 99) }
```

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

```
.background{ background-color: rgb(163, 83,  
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](#).

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