

Converting Colors

XYZ(20.5607, 16.2497, 33.0923)

Have a look what the booklet for
XYZ(20.5607, 16.2497, 33.0923)
contains.

XYZ(20.5076, 16.2343, 33.0630)	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(20.5076, 16.2343,
33.0630)**

Conversions

Conversions Part 1

Format	Color
Hex	89619B
RGB	137, 97, 155
RGB Percent	54%, 38%, 61%
CMY	0.4627, 0.6196, 0.3922
CMYK	0.12, 0.37, 0.00, 0.39
HSL	281°, 23%, 49%
HSV	281°, 37%, 61%
XYZ	20.5076, 16.2343, 33.0630
YIQ	115.5720, 5.2220, 26.5180

Conversions

Conversions Part 2

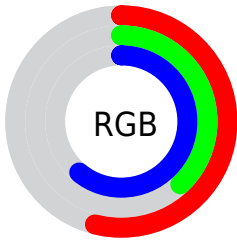
Format	Color
R_{YB}	137, 97, 155
Decimal	9003419
CIE Lab	47.28, 27.13, -25.32
CIE LCh	47, 37.113, 316.972
Yxy	16.2343, 0.2938, 0.2326
Android (android.graphics.Color)	4287193499 (0xFF89619B)
YUV	115.5720, 19.4380, 18.7924
Hunter-Lab	40.2918, 20.3417, -20.4484

Details

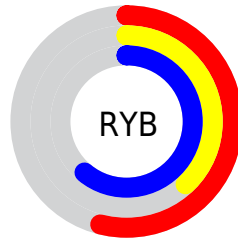
The XYZ color **20.5076, 16.2343, 33.0630** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9498, 27.9510, 15.6009**, and the grayscale version is **16.4116, 17.2662, 18.8029**.

A 20% lighter version of the original color is **43.7086, 36.9093, 65.7933**, and **7.4348, 5.1745, 13.7036** is the 20% darker color. If you saturate the color by 10%, you get **18.4420, 13.2474, 32.5956**, and if you desaturate by 10%, it is **22.8893, 19.8004, 33.6260**.

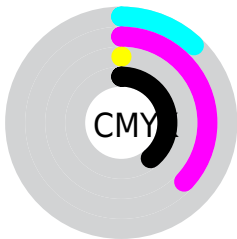
Distribution



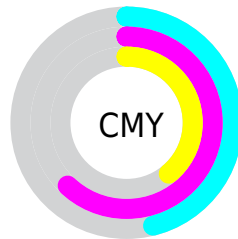
- Red (54%)
- Green (38%)
- Blue (61%)



- Red (54%)
- Yellow (38%)
- Blue (61%)



- Cyan (12%)
- Magenta (37%)
- Yellow (0%)
- Black (39%)



- Cyan (46%)
- Magenta (62%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5076, 16.2343, 33.0630 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 20.5076, 16.2343, 33.0630 by changing the saturation by 10% instead.

■ 20.5076, 16.2343,
33.0630

■ 20.5076, 16.2343,
33.0630

247.4315,
230.7203, 330.5742

■ 12.8750, 9.6901,
21.9032

■ 43.7641, 37.0045,
65.5910

■ 7.4189, 5.1940,
13.5882

■ 60.1186, 51.9993,
87.7963

■ 3.7741, 2.3615,
7.6993

■ 80.1112, 70.5797,
114.5205

■ 1.5751, 0.8060,
3.8182

■ 104.1071, 93.1301,
146.1822

■ 0.3761, 0.0000,
1.5261

132.4717,
120.0351, 183.1999

■ 0.0000, 0.0000,
0.2373

165.5704,

■ 0.0000, 0.0000,

151.6788, 225.9921

0.0000

203.7686,
188.4457, 274.9773

■ 20.5076, 16.2343,
33.0630

■ 20.5076, 16.2343,
33.0630

■ 18.4420, 13.2474,
32.5956

■ 22.8893, 19.8004,
33.6260

■ 16.6740, 10.8046,
32.2173

■ 25.6010, 23.9739,
34.2887

■ 15.1857, 8.8703,
31.9224

■ 28.6575, 28.7837,
35.0560

■ 13.9562, 7.4036,
31.7040

■ 32.0724, 34.2561,
35.9323

■ 12.9615, 6.3569,
31.5544

■ 35.8585, 40.4161,
36.9217

■ 12.1612, 5.6503,
31.4602

■ 40.0279, 47.2871,
38.0282

■ 11.9675, 5.4860,
31.4387

■ 44.5920, 54.8918,
39.2555

■ 49.5619, 63.2513,
40.6071

■ 54.9481, 72.3865,
42.0865

Harmonies

Analogous

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



17.3427, 16.2343, 41.1508



20.5076, 16.2343, 33.0630



22.4159, 16.2343, 22.0627

Triad

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



20.5076, 16.2343, 33.0630



16.8941, 16.2343, 5.2831



10.1560, 16.2343, 23.4818

Complementary

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



20.5076, 16.2343, 33.0630



20.9498, 27.9510, 15.6009

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.



10.0714, 16.2343, 13.9138



20.5076, 16.2343, 33.0630



13.6638, 16.2343, 5.4280

Square

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



20.5076, 16.2343, 33.0630



20.1394, 16.2343, 7.4973



11.2687, 16.2343, 8.0037



11.5191, 16.2343, 34.4133

Rectangle

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



20.5076, 16.2343, 33.0630



22.5645, 16.2343, 15.5761



11.2687, 16.2343, 8.0037



9.9847, 16.2343, 19.9574

Sweetspot

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



20.5081, 16.2350, 33.0634



49.1695, 48.1403, 62.2368



17.0194, 17.2539, 33.4439



10.9736, 10.6511, 14.0479



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.



20.5081, 16.2350, 33.0634



33.5617, 24.4834, 58.4932



22.8548, 17.5434, 28.7148



6.2746, 6.2274, 7.8003



9.6525, 4.4271, 25.2535



0.1811, 0.0852, 0.3793

Inverse Universe

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



20.8873, 16.7564, 18.3537



34.5261, 25.6668, 27.5341



19.3389, 27.0594, 18.2897



6.2838, 6.2527, 6.8747



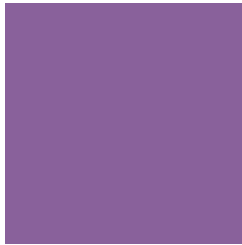
11.3032, 5.7755, 2.8554



0.1840, 0.0923, 0.1218

Previews

White Background



This preview shows how the XYZ color 20.5076, 16.2343, 33.0630 looks on a white background.

Color Contrast Check

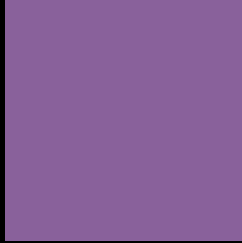
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5076, 16.2343, 33.0630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

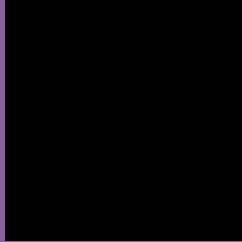
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5076, 16.2343, 33.0630

Background



This preview shows how black text looks on a background with the XYZ color 20.5076, 16.2343, 33.0630.



This preview shows how white text looks on a background with the XYZ color 20.5076, 16.2343,

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

20.5076, 16.2343, 33.0630

Protanopia

17.1835, 16.5017, 38.3559

Deuteranopia

16.7188, 16.4026, 31.9906



Tritanopia

17.5514, 16.3483, 18.1501

Trichromacy



Original Color

20.5076, 16.2343, 33.0630

Protanomaly

18.1060, 16.2317, 36.3612

Deuteranomaly

17.8432, 16.1854, 32.3206

Tritanomaly

18.4856, 16.2720, 22.9354

Monochromacy



Original Color

20.5076, 16.2343, 33.0630

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.8101, 16.8341, 23.4297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5076, 16.2343, 33.0630 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(137, 97, 155)` looks like.

```
.text, #text, p{  
    color:rgb(137, 97, 155)  
}
```

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(137, 97, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 97, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.5076, 16.2343, 33.0630 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(137, 97, 155) }
```


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

```
.border{ border-color:rgb(137, 97, 155) }
```

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

Here you see how a box with a 4 pixel rgb(137, 97, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 97, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 97, 155);  
box-shadow:4px 4px 4px 4px rgb(137, 97,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5076, 16.2343, 33.0630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 97, 155) }
```

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

```
.background{ background-color: rgb(137, 97,  
155) }
```

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