

Converting Colors

XYZ(20.3018, 17.0428, 27.1349)

Have a look what the booklet for
XYZ(20.3018, 17.0428, 27.1349)
contains.

XYZ(20.3002, 16.9716, 27.0169)	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(20.3002, 16.9716,
27.0169)**

Conversions

Conversions Part 1

Format	Color
Hex	8C668C
RGB	140, 102, 140
RGB Percent	55%, 40%, 55%
CMY	0.4510, 0.6000, 0.4510
CMYK	0.00, 0.27, 0.00, 0.45
HSL	300°, 16%, 47%
HSV	300°, 27%, 55%
XYZ	20.3002, 16.9716, 27.0169
YIQ	117.6940, 10.4500, 19.8740

Conversions

Conversions Part 2

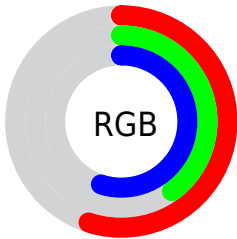
Format	Color
R_{YB}	140, 102, 140
Decimal	9201292
CIE _{Lab}	48.22, 22.05, -14.95
CIE _{LCh}	48, 26.635, 325.867
Yxy	16.9716, 0.3158, 0.2640
Android (android.graphics.Color)	4287391372 (0xFF8C668C)
YUV	117.6940, 10.9969, 19.5624
Hunter-Lab	41.1966, 15.8643, -10.0450

Details

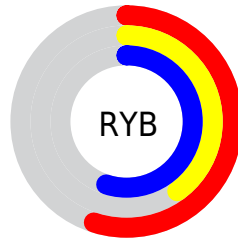
The XYZ color **20.3002, 16.9716, 27.0169** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.2565, 22.5408, 16.0125**, and the grayscale version is **17.0892, 17.9791, 19.5793**.

A 20% lighter version of the original color is **43.3770, 38.1468, 56.1158**, and **7.2845, 5.5004, 10.3506** is the 20% darker color. If you saturate the color by 10%, you get **19.0390, 14.4489, 26.5967**, and if you desaturate by 10%, it is **21.7948, 19.9605, 27.5153**.

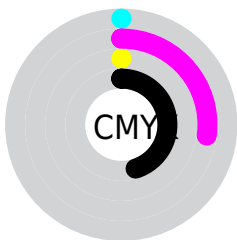
Distribution



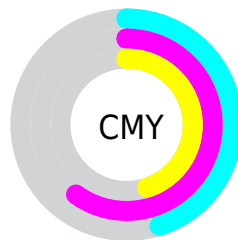
- Red (55%)
- Green (40%)
- Blue (55%)



- Red (55%)
- Yellow (40%)
- Blue (55%)



- Cyan (0%)
- Magenta (27%)
- Yellow (0%)
- Black (45%)



- Cyan (45%)
- Magenta (60%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3002, 16.9716, 27.0169 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 20.3002, 16.9716, 27.0169 by changing the saturation by 10% instead.

■ 20.3002, 16.9716,
27.0169

■ 20.3002, 16.9716,
27.0169

246.3384,
235.0087, 301.5017

■ 12.7230, 10.2142,
17.3534

■ 43.4200, 38.2769,
55.9151

■ 7.3137, 5.5412,
10.3221

■ 59.6934, 53.5937,
75.9868

■ 3.7071, 2.5682,
5.5047

■ 79.5961, 72.5324,
100.3649

■ 1.5378, 0.9107,
2.4824

■ 103.4936, 95.4774,
129.4681

■ 0.3514, 0.0000,
0.8308

131.7512,
122.8132, 163.7148

■ 0.0000, 0.0000,
0.0000

164.7343,

154.9240, 203.5236

202.8083,
192.1944, 249.3131

■ 20.3002, 16.9716,
27.0169

■ 20.3002, 16.9716,
27.0169

■ 19.0390, 14.4489,
26.5967

■ 21.7948, 19.9605,
27.5153

■ 17.9980, 12.3669,
26.2496

■ 23.5321, 23.4351,
28.0944

■ 17.1650, 10.7010,
25.9720

■ 25.5228, 27.4165,
28.7580

■ 16.5261, 9.4232,
25.7590

■ 27.7765, 31.9239,
29.5093

■ 16.0656, 8.5022,
25.6054

■ 30.3023, 36.9754,
30.3512

■ 15.7654, 7.9017,
25.5053

■ 33.1088, 42.5883,
31.2868

■ 15.5925, 7.5559,
25.4477

■ 36.2042, 48.7793,
32.3186

■ 15.5490, 7.4690,
25.4332

■ 39.5966, 55.5641,
33.4494

■ 43.2936, 62.9580,
34.6818

Harmonies

Analogous

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



18.2489, 16.9716, 33.2625



20.3002, 16.9716, 27.0169



21.2350, 16.9716, 19.4569

Triad

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



20.3002, 16.9716, 27.0169



16.4689, 16.9716, 8.1147



12.2936, 16.9716, 24.9290

Complementary

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



20.3002, 16.9716, 27.0169



17.2565, 22.5408, 16.0125

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.



11.9183, 16.9716, 17.5348



20.3002, 16.9716, 27.0169



14.1836, 16.9716, 8.8900

Square

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



20.3002, 16.9716, 27.0169



18.8872, 16.9716, 9.4931



12.5757, 16.9716, 11.9613



13.6569, 16.9716, 31.8606

Rectangle

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



20.3002, 16.9716, 27.0169



21.0371, 16.9716, 15.0678



12.5757, 16.9716, 11.9613



12.0540, 16.9716, 22.3701

Sweetspot

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



20.3007, 16.9723, 27.0173



41.1527, 40.6467, 49.4195



14.9652, 14.2218, 26.7676



9.3810, 9.1628, 11.3536



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.3007, 16.9723, 27.0173



34.2877, 26.9167, 47.1311



19.0184, 16.4594, 20.2644



5.2339, 5.1290, 6.3200



13.8158, 6.6364, 22.5982



0.0918, 0.0441, 0.1501

Inverse Universe

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



20.3007, 16.9723, 27.0173



34.2877, 26.9167, 47.1311



18.3094, 22.9619, 21.5569



5.2339, 5.1290, 6.3200



13.8158, 6.6364, 22.5982



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 20.3002, 16.9716, 27.0169 looks on a white background.

Color Contrast Check

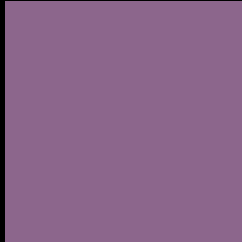
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3002, 16.9716, 27.0169 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 20.3002, 16.9716, 27.0169

Background



This preview shows how black text looks on a background with the XYZ color 20.3002, 16.9716, 27.0169.



This preview shows how white text looks on a background with the XYZ color 20.3002, 16.9716,

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

20.3002, 16.9716, 27.0169

Protanopia

17.1943, 17.0125, 30.3945

Deuteranopia

17.3210, 17.0007, 26.4133



Tritanopia

18.6687, 17.0716, 18.5308

Trichromacy



Original Color

20.3002, 16.9716, 27.0169

Protanomaly

18.0507, 16.8332, 29.0858

Deuteranomaly

18.1911, 16.8002, 26.7101

Tritanomaly

19.1709, 16.9617, 21.3323

Monochromacy



Original Color

20.3002, 16.9716, 27.0169

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.1643, 17.5303, 22.1650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3002, 16.9716, 27.0169 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(140, 102, 140)` looks like.

```
.text, #text, p{  
    color:rgb(140, 102, 140)  
}
```

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(140, 102, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 102, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.3002, 16.9716, 27.0169 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(140, 102, 140) }
```


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

```
.border{ border-color:rgb(140, 102, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 102, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 102, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 102, 140);  
box-shadow:4px 4px 4px 4px rgb(140, 102,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3002, 16.9716, 27.0169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 102, 140) }
```

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

```
.background{ background-color: rgb(140,  
102, 140) }
```

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