

Converting Colors

XYZ(19.9654, 18.5325, 26.4378)

Have a look what the booklet for
XYZ(19.9654, 18.5325, 26.4378)
contains.

XYZ(20.0083, 18.5508, 26.5709)	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(20.0083, 18.5508,
26.5709)**

Conversions

Conversions Part 1

Format	Color
Hex	84718A
RGB	132, 113, 138
RGB Percent	52%, 44%, 54%
CMY	0.4823, 0.5568, 0.4588
CMYK	0.04, 0.18, 0.00, 0.46
HSL	286°, 10%, 49%
HSV	286°, 18%, 54%
XYZ	20.0083, 18.5508, 26.5709
YIQ	121.5310, 3.2990, 11.8030

Conversions

Conversions Part 2

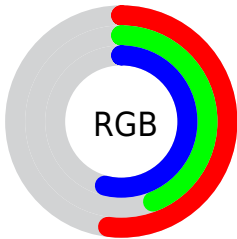
Format	Color
RYB	132, 113, 138
Decimal	8679818
CIELab	50.16, 12.27, -10.92
CIElCh	50, 16.427, 318.351
Yxy	18.5508, 0.3072, 0.2848
Android (android.graphics.Color)	4286869898 (0xFF84718A)
YUV	121.5310, 8.1192, 9.1813
Hunter-Lab	43.0706, 7.5479, -6.4274

Details

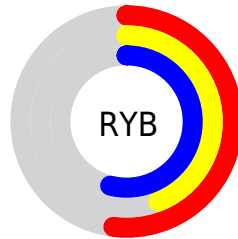
The XYZ color **20.0083, 18.5508, 26.5709** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.6776, 23.2917, 19.0824**, and the grayscale version is **18.3202, 19.2742, 20.9897**.

A 20% lighter version of the original color is **42.8667, 40.9861, 54.9420**, and **7.1314, 6.2790, 10.0686** is the 20% darker color. If you saturate the color by 10%, you get **18.0747, 15.4400, 26.0727**, and if you desaturate by 10%, it is **22.1937, 22.1399, 27.1488**.

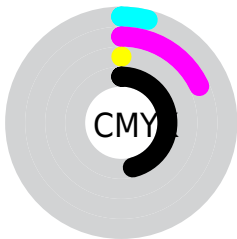
Distribution



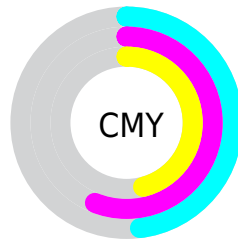
- Red (52%)
- Green (44%)
- Blue (54%)



- Red (52%)
- Yellow (44%)
- Blue (54%)



- Cyan (4%)
- Magenta (18%)
- Yellow (0%)
- Black (46%)



- Cyan (48%)
- Magenta (56%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0083, 18.5508, 26.5709 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 20.0083, 18.5508, 26.5709 by changing the saturation by 10% instead.

■ 20.0083, 18.5508,
26.5709

■ 20.0083, 18.5508,
26.5709

244.7928,
243.9576, 299.2676

■ 12.5094, 11.3462,
17.0216

■ 42.9349, 40.9737,
55.1899

■ 7.1662, 6.3002,
10.0878

■ 59.0934, 56.9607,
75.0967

■ 3.6135, 3.0284,
5.3508

■ 78.8690, 76.6439,
99.2930

■ 1.4859, 1.1466,
2.3922

■ 102.6272,
100.4078, 128.1975

■ 0.3162, 0.0174,
0.7822

130.7333,
128.6367, 162.2287

■ 0.0000, 0.0000,
0.0000

163.5527,

161.7150, 201.8051

201.4507,
200.0272, 247.3452

■ 20.0083, 18.5508,
26.5709

■ 20.0083, 18.5508,
26.5709

■ 18.0747, 15.4400,
26.0727

■ 22.1937, 22.1399,
27.1488

■ 16.3803, 12.7840,
25.6493

■ 24.6390, 26.2248,
27.8083

■ 14.9144, 10.5608,
25.2974

■ 27.3545, 30.8249,
28.5531

■ 13.6644, 8.7457,
25.0130

■ 30.3489, 35.9580,
29.3861

■ 12.6165, 7.3113,
24.7913

■ 33.6309, 41.6409,
30.3100

■ 11.7552, 6.2269,
24.6274

■ 37.2086, 47.8897,
31.3276

■ 11.0627, 5.4571,
24.5153

■ 41.0899, 54.7199,
32.4414

■ 10.5007, 4.9253,
24.4423

■ 45.2822, 62.1463,
33.6539

■ 10.3989, 4.8309,
24.4294

■ 49.7928, 70.1832,
34.9674

Harmonies

Analogous

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



18.6088, 18.5508, 29.6654



20.0083, 18.5508, 26.5709



20.7879, 18.5508, 22.0125

Triad

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



20.0083, 18.5508, 26.5709



18.2544, 18.5508, 12.8005



14.8951, 18.5508, 23.0726

Complementary

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



20.0083, 18.5508, 26.5709



19.6776, 23.2917, 19.0824

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.



14.8128, 18.5508, 18.4874



20.0083, 18.5508, 26.5709



16.6899, 18.5508, 12.9963

Square

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



20.0083, 18.5508, 26.5709



19.7355, 18.5508, 14.3543



15.4517, 18.5508, 14.9365



15.6835, 18.5508, 27.4465

Rectangle

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



20.0083, 18.5508, 26.5709



20.8219, 18.5508, 18.9575



15.4517, 18.5508, 14.9365



14.7857, 18.5508, 21.4928

Sweetspot

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



20.0089, 18.5516, 26.5713



40.3669, 41.0967, 48.1881



18.0249, 18.5998, 26.6852



8.9970, 9.1228, 10.7930



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.0089, 18.5516, 26.5713



33.7303, 30.2096, 46.4364



20.5347, 18.8735, 24.3014



5.1185, 5.0695, 6.3146



9.5475, 4.4361, 22.3987



0.0765, 0.0362, 0.1494

Inverse Universe

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



19.7168, 18.5463, 19.9944



33.1383, 30.2151, 32.3753



19.2440, 23.0261, 20.9626



5.0789, 5.0670, 5.5040



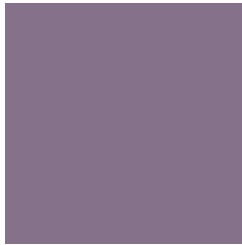
9.8682, 5.0574, 1.8102



0.0705, 0.0356, 0.0383

Previews

White Background



This preview shows how the XYZ color 20.0083, 18.5508, 26.5709 looks on a white 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

Black Background



This preview shows how the XYZ color 20.0083, 18.5508, 26.5709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

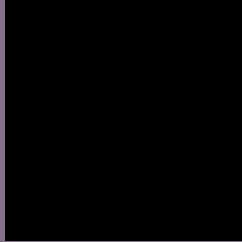
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0083, 18.5508, 26.5709

Background



This preview shows how black text looks on a background with the XYZ color 20.0083, 18.5508, 26.5709.



This preview shows how white text looks on a background with the XYZ color 20.0083, 18.5508,

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

20.0083, 18.5508, 26.5709

Protanopia

18.4311, 18.5547, 28.2012

Deuteranopia

18.9291, 18.5079, 26.2416



Tritanopia

18.9747, 18.4625, 21.6323

Trichromacy



Original Color

20.0083, 18.5508, 26.5709

Protanomaly

18.9383, 18.4788, 27.7679

Deuteranomaly

19.2503, 18.5032, 26.2238

Tritanomaly

19.3398, 18.4449, 23.3098

Monochromacy



Original Color

20.0083, 18.5508, 26.5709

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.0973, 19.1878, 23.1192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0083, 18.5508, 26.5709 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(132, 113, 138)` looks like.

```
.text, #text, p{  
    color:rgb(132, 113, 138)  
}
```

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(132, 113, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 113, 138) }
```

Border

The CSS property to change the border of an element to XYZ 20.0083, 18.5508, 26.5709 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(132, 113, 138) }
```


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

```
.border{ border-color:rgb(132, 113, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 113, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 113, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 113, 138);  
box-shadow:4px 4px 4px 4px rgb(132, 113,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0083, 18.5508, 26.5709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 113, 138) }
```

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

```
.background{ background-color: rgb(132,  
113, 138) }
```

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