

Converting Colors

XYZ(19.4922, 17.9941, 34.4304)

Have a look what the booklet for
XYZ(19.4922, 17.9941, 34.4304)
contains.

XYZ(19.4877, 17.9446, 34.3348)	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(19.4877, 17.9446,
34.3348)**

Conversions

Conversions Part 1

Format	Color
Hex	77709D
RGB	119, 112, 157
RGB Percent	47%, 44%, 62%
CMY	0.5333, 0.5608, 0.3843
CMYK	0.24, 0.29, 0.00, 0.38
HSL	249°, 19%, 53%
HSV	249°, 29%, 62%
XYZ	19.4877, 17.9446, 34.3348
YIQ	119.2230, -10.2730, 15.4790

Conversions

Conversions Part 2

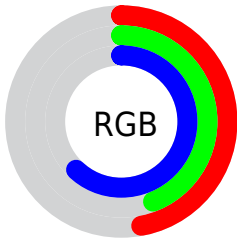
Format	Color
R_{YB}	119, 112, 157
Decimal	7827613
CIE _{Lab}	49.43, 12.81, -23.32
CIE _{LCh}	49, 26.610, 298.784
Yxy	17.9446, 0.2715, 0.2500
Android (android.graphics.Color)	4286017693 (0xFF77709D)
YUV	119.2230, 18.6241, -0.1956
Hunter-Lab	42.3611, 7.9849, -18.4034

Details

The XYZ color **19.4877, 17.9446, 34.3348** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.5598, 31.7682, 20.0093**, and the grayscale version is **17.5508, 18.4649, 20.1082**.

A 20% lighter version of the original color is **42.1724, 40.0750, 67.7999**, and **6.8374, 5.9519, 14.1531** is the 20% darker color. If you saturate the color by 10%, you get **16.2098, 13.9039, 33.7279**, and if you desaturate by 10%, it is **23.3227, 22.7217, 35.0551**.

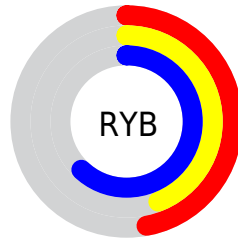
Distribution



Red (47%)

Green (44%)

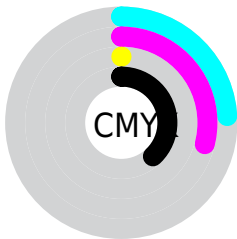
Blue (62%)



Red (47%)

Yellow (44%)

Blue (62%)

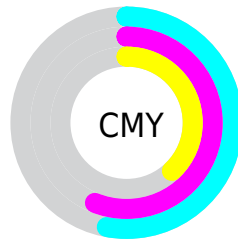


Cyan (24%)

Magenta (29%)

Yellow (0%)

Black (38%)



Cyan (53%)

Magenta (56%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4877, 17.9446, 34.3348 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 19.4877, 17.9446, 34.3348 by changing the saturation by 10% instead.

■ 19.4877, 17.9446,
34.3348

■ 19.4877, 17.9446,
34.3348

242.0148,
240.5586, 336.4370

■ 12.1293, 10.9102,
22.8715

■ 42.0671, 39.9429,
67.5938

■ 6.9046, 6.0065,
14.2942

■ 58.0188, 55.6756,
90.2266

■ 3.4483, 2.8490,
8.1845

■ 77.5657, 75.0766,
117.4196

■ 1.3950, 1.0534,
4.1238

■ 101.0731, 98.5301,
149.5914

■ 0.2527, 0.0000,
1.6935

128.9064,
126.4207, 187.1604

■ 0.0000, 0.0000,
0.3563

161.4308,

■ 0.0000, 0.0000,

159.1327, 230.5454

0.0000

199.0119,
197.0506, 280.1647

■ 19.4877, 17.9446,
34.3348

■ 19.4877, 17.9446,
34.3348

■ 16.2098, 13.9039,
33.7279

■ 23.3227, 22.7217,
35.0551

■ 13.4611, 10.5607,
33.2275

■ 27.7374, 28.2673,
35.8928

■ 11.2140, 7.8758,
32.8277

■ 32.7553, 34.6140,
36.8533

■ 9.4374, 5.8051,
32.5217

■ 38.3982, 41.7921,
37.9414

■ 8.0968, 4.2992,
32.3016

■ 44.6865, 49.8301,
39.1615

■ 7.1529, 3.3008,
32.1587

■ 51.6400, 58.7554,
40.5178

■ 6.5397, 2.7022,
32.0755

■ 59.2774, 68.5939,
42.0143

■ 6.4726, 2.6337,
32.0658

■ 67.6169, 79.3707,
43.6549

■ 76.6757, 91.1097,
45.4433

Harmonies

Analogous

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



16.9536, 17.9446, 36.8785



19.4877, 17.9446, 34.3348



21.5268, 17.9446, 27.6162

Triad

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



19.4877, 17.9446, 34.3348



19.6823, 17.9446, 9.9388



12.6700, 17.9446, 19.2467

Complementary

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



19.4877, 17.9446, 34.3348



27.5598, 31.7682, 20.0093

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.



13.2511, 17.9446, 13.2131



19.4877, 17.9446, 34.3348



17.1584, 17.9446, 8.7188

Square

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



19.4877, 17.9446, 34.3348



21.6467, 17.9446, 13.6085



14.8351, 17.9446, 9.7531



13.1647, 17.9446, 26.9812

Rectangle

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



19.4877, 17.9446, 34.3348



22.2433, 17.9446, 22.3532



14.8351, 17.9446, 9.7531



12.7449, 17.9446, 16.9708

Sweetspot

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



19.4883, 17.9453, 34.3352



49.2436, 50.0804, 64.1978



23.7147, 27.7721, 36.0092



10.5869, 10.7064, 14.0789



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.



19.4883, 17.9453, 34.3352



31.2656, 27.6460, 60.8151



22.9076, 19.7080, 34.4952



6.3761, 6.4823, 8.3218



5.2783, 2.1501, 26.0440



0.1182, 0.0507, 0.4668

Inverse Universe

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



25.2043, 20.9591, 31.5719



43.1649, 33.9247, 54.8490



23.8467, 29.8540, 19.8355



6.8598, 6.7368, 8.1128



14.7191, 7.1922, 18.5696



0.2741, 0.1329, 0.3893

Previews

White Background



This preview shows how the XYZ color 19.4877, 17.9446, 34.3348 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 19.4877, 17.9446, 34.3348 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 19.4877, 17.9446, 34.3348

Background



This preview shows how black text looks on a background with the XYZ color 19.4877, 17.9446, 34.3348.



This preview shows how white text looks on a background with the XYZ color 19.4877, 17.9446,

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

19.4877, 17.9446, 34.3348

Protanopia

18.4163, 18.0321, 35.7676

Deuteranopia

18.4305, 18.0792, 33.9707



Tritanopia

17.1193, 17.9999, 22.6507

Trichromacy



Original Color

19.4877, 17.9446, 34.3348

Protanomaly

18.8191, 18.0797, 35.2987

Deuteranomaly

18.8136, 18.1065, 33.9558

Tritanomaly

17.9031, 17.9706, 26.5698

Monochromacy



Original Color

19.4877, 17.9446, 34.3348

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.0868, 18.1062, 24.7319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4877, 17.9446, 34.3348 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(119, 112, 157)` looks like.

```
.text, #text, p{  
    color:rgb(119, 112, 157)  
}
```

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(119, 112, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 112, 157) }
```

Border

The CSS property to change the border of an element to XYZ 19.4877, 17.9446, 34.3348 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(119, 112, 157) }
```


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

```
.border{ border-color:rgb(119, 112, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 112, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 112, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 112, 157);  
box-shadow:4px 4px 4px 4px rgb(119, 112,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4877, 17.9446, 34.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 112, 157) }
```

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

```
.background{ background-color: rgb(119,  
112, 157) }
```

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