

Converting Colors

XYZ(19.6279, 14.9597, 34.5478)

Have a look what the booklet for
XYZ(19.6279, 14.9597, 34.5478)
contains.

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Color

**XYZ(19.6720, 14.9719,
34.6539)**

Conversions

Conversions Part 1

Format	Color
Hex	855B9F
RGB	133, 91, 159
RGB Percent	52%, 36%, 62%
CMY	0.4784, 0.6431, 0.3765
CMYK	0.16, 0.43, 0.00, 0.38
HSL	277°, 27%, 49%
HSV	277°, 43%, 62%
XYZ	19.6720, 14.9719, 34.6539
YIQ	111.3100, 3.2040, 30.0520

Conversions

Conversions Part 2

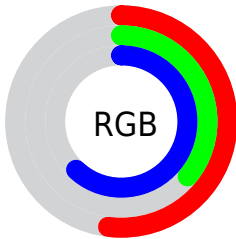
Format	Color
R_{YB}	133, 91, 159
Decimal	8739743
CIE _{Lab}	45.60, 30.26, -30.35
CIE _{LCh}	46, 42.860, 314.915
Yxy	14.9719, 0.2839, 0.2161
Android (android.graphics.Color)	4286929823 (0xFF855B9F)
YUV	111.3100, 23.5112, 19.0221
Hunter-Lab	38.6935, 23.0366, -26.0146

Details

The XYZ color **19.6720, 14.9719, 34.6539** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.6229, 29.3338, 14.4204**, and the grayscale version is **15.1330, 15.9211, 17.3381**.

A 20% lighter version of the original color is **42.3041, 34.7658, 68.0991**, and **7.0342, 4.6567, 14.4380** is the 20% darker color. If you saturate the color by 10%, you get **17.5220, 12.0554, 34.2045**, and if you desaturate by 10%, it is **22.1666, 18.4943, 35.2025**.

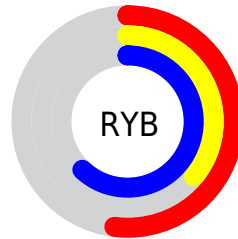
Distribution



Red (52%)

Green (36%)

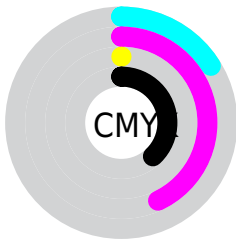
Blue (62%)



Red (52%)

Yellow (36%)

Blue (62%)

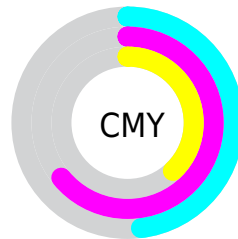


Cyan (16%)

Magenta (43%)

Yellow (0%)

Black (38%)



Cyan (48%)

Magenta (64%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6720, 14.9719, 34.6539 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 19.6720, 14.9719, 34.6539 by changing the saturation by 10% instead.

■ 19.6720, 14.9719,
34.6539

■ 19.6720, 14.9719,
34.6539

243.0014,
223.1961, 337.8957

■ 12.2637, 8.7997,
23.1150

■ 42.3747, 34.8039,
68.0947

■ 6.9970, 4.6107,
14.4723

■ 58.3999, 49.2324,
90.8337

■ 3.5066, 2.0207,
8.3074

■ 78.0281, 67.1818,
118.1431

■ 1.4270, 0.6195,
4.2017

■ 101.6246, 89.0365,
150.4416

■ 0.2753, 0.0000,
1.7366

129.5548,
115.1809, 188.1475

■ 0.0000, 0.0000,
0.3857

162.1842,

■ 0.0000, 0.0000,

145.9994, 231.6795

0.0000

199.8779,
181.8763, 281.4560

■ 19.6720, 14.9719,
34.6539

■ 19.6720, 14.9719,
34.6539

■ 17.5220, 12.0554,
34.2045

■ 22.1666, 18.4943,
35.2025

■ 15.6957, 9.7056,
33.8472

■ 25.0219, 22.6545,
35.8551

■ 14.1722, 7.8819,
33.5755

■ 28.2547, 27.4847,
36.6170

■ 12.9273, 6.5369,
33.3815

■ 31.8803, 33.0141,
37.4932

■ 11.9320, 5.6146,
33.2559

■ 35.9131, 39.2701,
38.4882

■ 11.3175, 5.1115,
33.1912

■ 40.3667, 46.2789,
39.6063

■ 45.2541, 54.0650,
40.8516

■ 50.5876, 62.6521,
42.2279

■ 56.3791, 72.0627,
43.7391

Harmonies

Analogous

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



16.0789, 14.9719, 43.7788



19.6720, 14.9719, 34.6539



21.9756, 14.9719, 21.9968

Triad

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



19.6720, 14.9719, 34.6539



16.1003, 14.9719, 3.7062



8.5557, 14.9719, 21.9281

Complementary

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



19.6720, 14.9719, 34.6539



21.6229, 29.3338, 14.4204

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.



8.5594, 14.9719, 11.6859



19.6720, 14.9719, 34.6539



12.5292, 14.9719, 3.7005

Square

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



19.6720, 14.9719, 34.6539



19.6899, 14.9719, 5.9599



9.8979, 14.9719, 5.9389



9.8866, 14.9719, 34.5858

Rectangle

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



19.6720, 14.9719, 34.6539



22.2603, 14.9719, 14.6685



9.8979, 14.9719, 5.9389



8.4092, 14.9719, 18.0522

Sweetspot

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



19.6725, 14.9725, 34.6542



50.3068, 48.7778, 65.5070



16.9419, 17.4660, 35.2794



11.0555, 10.5662, 14.7004



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.6725, 14.9725, 34.6542



31.6650, 21.9678, 61.3147



23.6309, 17.0901, 31.3601



6.6583, 6.6278, 8.3350



8.9864, 4.0617, 26.2176



0.2067, 0.0963, 0.4709

Inverse Universe

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



21.2504, 16.1379, 18.8248



35.1245, 24.4863, 28.2642



18.9619, 27.9203, 16.1780



6.7328, 6.6860, 7.4439



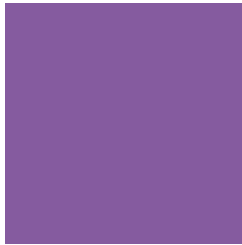
11.9731, 6.0938, 4.1093



0.2340, 0.1169, 0.1782

Previews

White Background



This preview shows how the XYZ color 19.6720, 14.9719, 34.6539 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 19.6720, 14.9719, 34.6539 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 19.6720, 14.9719, 34.6539

Background



This preview shows how black text looks on a background with the XYZ color 19.6720, 14.9719, 34.6539.



This preview shows how white text looks on a background with the XYZ color 19.6720, 14.9719,

34.6539.

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

19.6720, 14.9719, 34.6539

Protanopia

16.1677, 15.1256, 41.0971

Deuteranopia

15.4749, 15.0893, 33.5494



Tritanopia

16.0233, 14.9885, 16.8004

Trichromacy



Original Color

19.6720, 14.9719, 34.6539

Protanomaly

16.9956, 14.8641, 38.5325

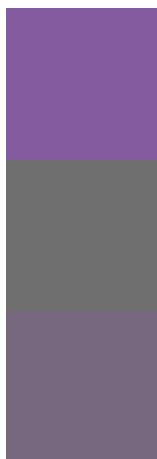
Deuteranomaly

16.6833, 14.8059, 33.8768

Tritanomaly

17.1661, 14.8831, 22.3900

Monochromacy



Original Color

19.6720, 14.9719, 34.6539

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.4543, 15.3811, 22.5237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6720, 14.9719, 34.6539 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(133, 91, 159)` looks like.

```
.text, #text, p{  
    color:rgb(133, 91, 159)  
}
```

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(133, 91, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 91, 159) }
```

Border

The CSS property to change the border of an element to XYZ 19.6720, 14.9719, 34.6539 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(133, 91, 159) }
```


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

```
.border{ border-color:rgb(133, 91, 159) }
```

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

Here you see how a box with a 4 pixel rgb(133, 91, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 91, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 91, 159);  
box-shadow:4px 4px 4px 4px rgb(133, 91,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6720, 14.9719, 34.6539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 91, 159) }
```

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

```
.background{ background-color: rgb(133, 91,  
159) }
```

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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