

Converting Colors

XYZ(19.6733, 14.5821, 38.2102)

Have a look what the booklet for
XYZ(19.6733, 14.5821, 38.2102)
contains.

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Color

**XYZ(19.7534, 14.6806,
38.3517)**

Conversions

Conversions Part 1

Format	Color
Hex	8259A7
RGB	130, 89, 167
RGB Percent	51%, 35%, 65%
CMY	0.4902, 0.6510, 0.3451
CMYK	0.22, 0.47, 0.00, 0.35
HSL	272°, 31%, 50%
HSV	272°, 47%, 65%
XYZ	19.7534, 14.6806, 38.3517
YIQ	110.1510, -0.6020, 32.9500

Conversions

Conversions Part 2

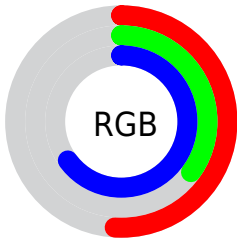
Format	Color
R _Y B	130, 89, 167
Decimal	8542631
CIE Lab	45.19, 32.40, -35.74
CIE LCh	45, 48.240, 312.197
Yxy	14.6806, 0.2714, 0.2017
Android (android.graphics.Color)	4286732711 (0xFF8259A7)
YUV	110.1510, 28.0266, 17.4076
Hunter-Lab	38.3153, 24.9738, -32.5257

Details

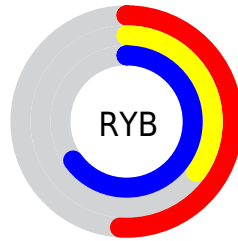
The XYZ color **19.7534, 14.6806, 38.3517** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **24.2263, 32.7945, 14.5048**, and the grayscale version is **14.7870, 15.5571, 16.9417**.

A 20% lighter version of the original color is **42.4645, 34.2742, 74.1895**, and **7.0071, 4.4905, 16.4170** is the 20% darker color. If you saturate the color by 10%, you get **17.3495, 11.6074, 37.8855**, and if you desaturate by 10%, it is **22.5672, 18.4336, 38.9281**.

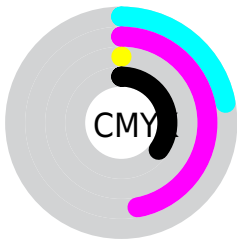
Distribution



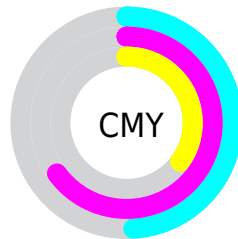
- Red (51%)
- Green (35%)
- Blue (65%)



- Red (51%)
- Yellow (35%)
- Blue (65%)



- Cyan (22%)
- Magenta (47%)
- Yellow (0%)
- Black (35%)



- Cyan (49%)
- Magenta (65%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7534, 14.6806, 38.3517 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 19.7534, 14.6806, 38.3517 by changing the saturation by 10% instead.

■ 19.7534, 14.6806,
38.3517

■ 19.7534, 14.6806,
38.3517

243.4361,
221.4247, 354.4696

■ 12.3231, 8.5955,
25.9518

■ 42.5105, 34.2919,
73.8563

■ 7.0379, 4.4783,
16.5622

■ 58.5680, 48.5869,
97.7981

■ 3.5324, 1.9446,
9.7642

■ 78.2319, 66.3873,
126.4242

■ 1.4411, 0.5750,
5.1393

■ 101.8677, 88.0776,
160.1533

■ 0.2853, 0.0000,
2.2691

■ 129.8407,
114.0420, 199.4038

■ 0.0000, 0.0000,
0.7138

162.5161,

■ 0.0000, 0.0000,

144.6651, 244.5944

0.0000

200.2595,
180.3312, 296.1434

■ 19.7534, 14.6806,
38.3517

■ 19.7534, 14.6806,
38.3517

■ 17.3495, 11.6074,
37.8855

■ 22.5672, 18.4336,
38.9281

■ 15.3302, 9.1681,
37.5211

■ 25.8108, 22.9050,
39.6202

■ 13.6695, 7.3134,
37.2506

■ 29.5047, 28.1321,
40.4344

■ 12.3371, 5.9859,
37.0646

■ 33.6676, 34.1495,
41.3765

■ 11.2897, 5.1030,
36.9494

■ 38.3169, 40.9894,
42.4517

■ 10.9792, 4.8542,
36.9177

■ 43.4691, 48.6821,
43.6649

■ 49.1401, 57.2565,
45.0211

■ 55.3448, 66.7401,
46.5246

■ 62.0975, 77.1591,
48.1797

Harmonies

Analogous

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



15.6343, 14.6806, 48.4201



19.7534, 14.6806, 38.3517



22.5858, 14.6806, 23.6692

Triad

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



19.7534, 14.6806, 38.3517



16.4275, 14.6806, 2.8779



7.7284, 14.6806, 21.0790

Complementary

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



19.7534, 14.6806, 38.3517



24.2263, 32.7945, 14.5048

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.



7.8598, 14.6806, 10.1745



19.7534, 14.6806, 38.3517



12.3977, 14.6806, 2.7046

Square

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



19.7534, 14.6806, 38.3517



20.4284, 14.6806, 5.3173



9.4170, 14.6806, 4.6221



9.0155, 14.6806, 35.6979

Rectangle

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



19.7534, 14.6806, 38.3517



23.0871, 14.6806, 15.1587



9.4170, 14.6806, 4.6221



7.6162, 14.6806, 16.8401

Sweetspot

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



19.7539, 14.6812, 38.3520



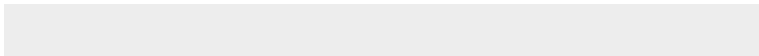
54.5898, 52.8917, 72.8072



18.6460, 20.0157, 39.4401



11.8827, 11.3576, 16.2181



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.7539, 14.6812, 38.3520



30.9501, 20.6367, 67.8273



26.3645, 18.1029, 38.0371



7.4940, 7.4873, 9.4686



8.4584, 3.7439, 28.2523



0.2642, 0.1212, 0.6901

Inverse Universe

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



23.2749, 16.8670, 21.7677



38.4119, 25.2628, 32.9653



19.7972, 30.5049, 14.5851



7.6737, 7.5993, 8.5989



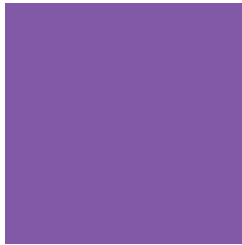
13.3051, 6.7307, 6.4180



0.3497, 0.1742, 0.2931

Previews

White Background



This preview shows how the XYZ color 19.7534, 14.6806, 38.3517 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 19.7534, 14.6806, 38.3517 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 19.7534, 14.6806, 38.3517

Background



This preview shows how black text looks on a background with the XYZ color 19.7534, 14.6806, 38.3517.



This preview shows how white text looks on a background with the XYZ color 19.7534, 14.6806,

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

19.7534, 14.6806, 38.3517

Protanopia

16.2937, 14.9352, 45.7401

Deuteranopia

15.1768, 14.8652, 36.7197



Tritanopia

15.3116, 14.6216, 16.7671

Trichromacy



Original Color

19.7534, 14.6806, 38.3517

Protanomaly

17.0176, 14.4912, 42.9744

Deuteranomaly

16.2950, 14.3913, 37.0409

Tritanomaly

16.6836, 14.4732, 23.3870

Monochromacy



Original Color

19.7534, 14.6806, 38.3517

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.1842, 14.9233, 23.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7534, 14.6806, 38.3517 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(130, 89, 167)` looks like.

```
.text, #text, p{  
    color:rgb(130, 89, 167)  
}
```

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(130, 89, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 89, 167) }
```

Border

The CSS property to change the border of an element to XYZ 19.7534, 14.6806, 38.3517 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(130, 89, 167) }
```


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

```
.border{ border-color:rgb(130, 89, 167) }
```

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

Here you see how a box with a 4 pixel rgb(130, 89, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 89, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 89, 167);  
box-shadow:4px 4px 4px 4px rgb(130, 89,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7534, 14.6806, 38.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 89, 167) }
```

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

```
.background{ background-color: rgb(130, 89,  
167) }
```

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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