

Converting Colors

XYZ(18.9144, 15.5424, 30.8429)

Have a look what the booklet for
XYZ(18.9144, 15.5424, 30.8429)
contains.

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Color

**XYZ(18.9260, 15.6045,
30.8686)**

Conversions

Conversions Part 1

Format	Color
Hex	816296
RGB	129, 98, 150
RGB Percent	51%, 38%, 59%
CMY	0.4941, 0.6157, 0.4118
CMYK	0.14, 0.35, 0.00, 0.41
HSL	276°, 21%, 49%
HSV	276°, 35%, 59%
XYZ	18.9260, 15.6045, 30.8686
YIQ	113.1970, 1.7840, 22.7440

Conversions

Conversions Part 2

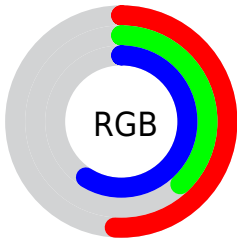
Format	Color
R_{YB}	129, 98, 150
Decimal	8479382
CIE _{Lab}	46.45, 22.79, -23.71
CIE _{LCh}	46, 32.886, 313.861
Yxy	15.6045, 0.2894, 0.2386
Android (android.graphics.Color)	4286669462 (0xFF816296)
YUV	113.1970, 18.1439, 13.8592
Hunter-Lab	39.5025, 16.3914, -18.6794

Details

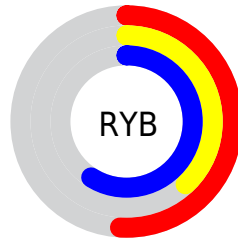
The XYZ color **18.9260, 15.6045, 30.8686** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.7191, 26.6168, 15.6015**, and the grayscale version is **15.7024, 16.5201, 17.9904**.

A 20% lighter version of the original color is **41.1750, 35.9218, 61.8902**, and **6.6604, 4.9308, 12.4051** is the 20% darker color. If you saturate the color by 10%, you get **16.7589, 12.5958, 30.4023**, and if you desaturate by 10%, it is **21.4117, 19.1687, 31.4258**.

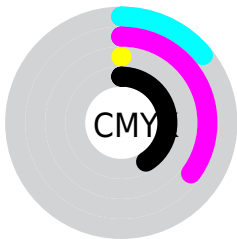
Distribution



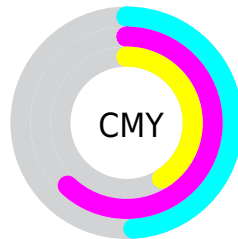
- Red (51%)
- Green (38%)
- Blue (59%)



- Red (51%)
- Yellow (38%)
- Blue (59%)



- Cyan (14%)
- Magenta (35%)
- Yellow (0%)
- Black (41%)



- Cyan (49%)
- Magenta (62%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9260, 15.6045, 30.8686 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 18.9260, 15.6045, 30.8686 by changing the saturation by 10% instead.

■ 18.9260, 15.6045,
30.8686

■ 18.9260, 15.6045,
30.8686

238.9859,
226.9965, 320.2649

■ 11.7205, 9.2447,
20.2412

■ 41.1269, 35.9102,
62.1103

■ 6.6245, 4.9012,
12.3847

■ 56.8529, 50.6250,
83.5616

■ 3.2726, 2.1894,
6.8805

■ 76.1499, 68.8935,
109.4581

■ 1.2995, 0.7142,
3.3102

■ 99.3832, 91.1002,
140.2181

■ 0.1829, 0.0000,
1.2551

126.9180,
117.6294, 176.2602

■ 0.0000, 0.0000,
0.0246

159.1199,

■ 0.0000, 0.0000,

148.8656, 218.0031

0.0000

196.3540,
185.1932, 265.8651

■ 18.9260, 15.6045,
30.8686

■ 18.9260, 15.6045,
30.8686

■ 16.7589, 12.5958,
30.4023

■ 21.4117, 19.1687,
31.4258

■ 14.8932, 10.1106,
30.0210

■ 24.2290, 23.3141,
32.0774

■ 13.3123, 8.1169,
29.7195

■ 27.3919, 28.0670,
32.8281

■ 11.9971, 6.5778,
29.4917

■ 30.9131, 33.4516,
33.6819

■ 10.9259, 5.4515,
29.3308

■ 34.8048, 39.4909,
34.6425

■ 10.0714, 4.6850,
29.2279

■ 39.0783, 46.2064,
35.7135

■ 9.6657, 4.3469,
29.1840

■ 43.7447, 53.6188,
36.8983

■ 48.8143, 61.7479,
38.2001

■ 54.2973, 70.6128,
39.6223

Harmonies

Analogous

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



16.1724, 15.6045, 37.0299



18.9260, 15.6045, 30.8686



20.6899, 15.6045, 21.6957

Triad

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



18.9260, 15.6045, 30.8686



16.3945, 15.6045, 5.9946



10.1553, 15.6045, 20.9998

Complementary

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



18.9260, 15.6045, 30.8686



20.7191, 26.6168, 15.6015

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.



10.1988, 15.6045, 13.0203



18.9260, 15.6045, 30.8686



13.5671, 15.6045, 5.9150

Square

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



18.9260, 15.6045, 30.8686



19.1063, 15.6045, 8.3254



11.3749, 15.6045, 8.0563



11.2474, 15.6045, 30.2217

Rectangle

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



18.9260, 15.6045, 30.8686



20.9430, 15.6045, 15.9637



11.3749, 15.6045, 8.0563



10.0423, 15.6045, 18.0607

Sweetspot

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



18.9265, 15.6051, 30.8689



45.1758, 44.7565, 57.1791



17.2190, 18.1522, 31.4506



9.8570, 9.6870, 12.6351



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.9265, 15.6051, 30.8689



30.2377, 23.1335, 53.7928



22.1082, 17.2849, 29.2298



5.8110, 5.7936, 7.2817



8.0534, 3.6242, 24.2061



0.1320, 0.0616, 0.2978

Inverse Universe

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



20.2756, 16.5519, 19.5794



33.1677, 25.1734, 30.0101



18.3587, 25.3757, 16.5883



5.8921, 5.8519, 6.5377



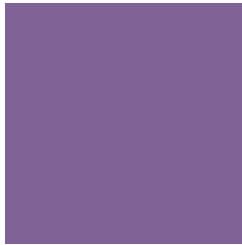
11.1359, 5.6594, 4.1968



0.1502, 0.0748, 0.1248

Previews

White Background



This preview shows how the XYZ color 18.9260, 15.6045, 30.8686 looks on a white background.

Color Contrast Check

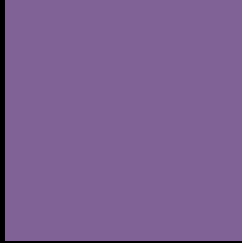
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9260, 15.6045, 30.8686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

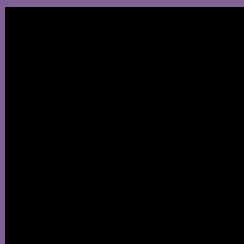
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9260, 15.6045, 30.8686

Background



This preview shows how black text looks on a background with the XYZ color 18.9260, 15.6045, 30.8686.



This preview shows how white text looks on a background with the XYZ color 18.9260, 15.6045,

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

18.9260, 15.6045, 30.8686

Protanopia

16.2563, 15.7856, 34.5379

Deuteranopia

16.0695, 15.7847, 30.2168



Tritanopia

16.2572, 15.5290, 18.0601

Trichromacy



Original Color

18.9260, 15.6045, 30.8686

Protanomaly

17.0314, 15.5955, 33.1229

Deuteranomaly

17.0319, 15.6526, 30.5573

Tritanomaly

17.0396, 15.3950, 22.1521

Monochromacy



Original Color

18.9260, 15.6045, 30.8686

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.7362, 16.1534, 21.9745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9260, 15.6045, 30.8686 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(129, 98, 150)` looks like.

```
.text, #text, p{  
    color:rgb(129, 98, 150)  
}
```

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(129, 98, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 98, 150) }
```

Border

The CSS property to change the border of an element to XYZ 18.9260, 15.6045, 30.8686 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(129, 98, 150) }
```


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

```
.border{ border-color:rgb(129, 98, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 98, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 98, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 98, 150);  
box-shadow:4px 4px 4px 4px rgb(129, 98,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9260, 15.6045, 30.8686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 98, 150) }
```

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

```
.background{ background-color: rgb(129, 98,  
150) }
```

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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