

Converting Colors

XYZ(17.9587, 10.4427, 36.1910)

Have a look what the booklet for
XYZ(17.9587, 10.4427, 36.1910)
contains.

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Color

**XYZ(18.0117, 10.4696,
36.1935)**

Conversions

Conversions Part 1

Format	Color
Hex	8736A4
RGB	135, 54, 164
RGB Percent	53%, 21%, 64%
CMY	0.4706, 0.7882, 0.3569
CMYK	0.18, 0.67, 0.00, 0.36
HSL	284°, 50%, 43%
HSV	284°, 67%, 64%
XYZ	18.0117, 10.4696, 36.1935
YIQ	90.7590, 12.9660, 51.3820

Conversions

Conversions Part 2

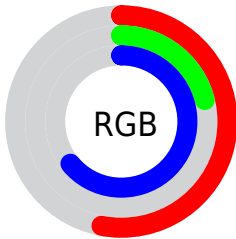
Format	Color
R _{YB}	135, 54, 164
Decimal	8861348
CIE Lab	38.67, 51.54, -44.28
CIE LCh	39, 67.948, 319.331
Yxy	10.4696, 0.2785, 0.1619
Android (android.graphics.Color)	4287051428 (0xFF8736A4)
YUV	90.7590, 36.1078, 38.7994
Hunter-Lab	32.3568, 42.7394, -43.6706

Details

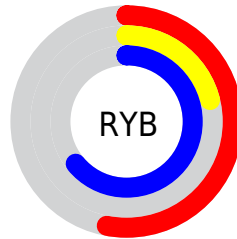
The XYZ color **18.0117, 10.4696, 36.1935** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **17.5089, 28.6565, 8.0989**, and the grayscale version is **9.8086, 10.3194, 11.2378**.

A 20% lighter version of the original color is **39.6618, 26.7591, 70.7848**, and **6.2626, 2.8970, 15.2680** is the 20% darker color. If you saturate the color by 10%, you get **16.6917, 8.8410, 35.9489**, and if you desaturate by 10%, it is **19.6182, 12.6283, 36.5257**.

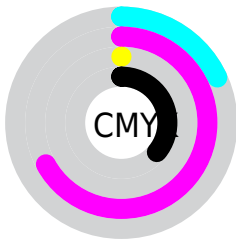
Distribution



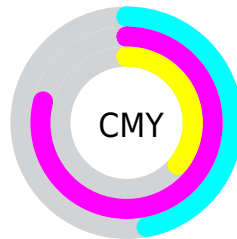
- Red (53%)
- Green (21%)
- Blue (64%)



- Red (53%)
- Yellow (21%)
- Blue (64%)



- Cyan (18%)
- Magenta (67%)
- Yellow (0%)
- Black (36%)



- Cyan (47%)
- Magenta (79%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0117, 10.4696, 36.1935 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 18.0117, 10.4696, 36.1935 by changing the saturation by 10% instead.

■ 18.0117, 10.4696,
36.1935

■ 18.0117, 10.4696,
36.1935

233.9813,
193.9916, 344.8685

■ 11.0581, 5.7114,
24.2928

■ 39.5872, 26.6751,
70.5030

■ 6.1735, 2.6704,
15.3368

■ 54.9398, 38.8912,
93.7489

■ 2.9925, 0.9622,
8.9068

■ 73.8228, 54.3621,
121.6137

■ 1.1498, 0.0000,
4.5845

■ 96.6016, 73.4721,
154.5157

■ 0.0662, 0.0000,
1.9512

■ 123.6415, 96.6057,
192.8737

■ 0.0000, 0.0000,
0.5250

■ 155.3078,

■ 0.0000, 0.0000,

124.1472, 237.1061

0.0000

191.9660,
156.4810, 287.6315

■ 18.0117, 10.4696,
36.1935

■ 18.0117, 10.4696,
36.1935

■ 16.6917, 8.8410,
35.9489

■ 19.6182, 12.6283,
36.5257

■ 15.6294, 7.6868,
35.7821

■ 21.5335, 15.3627,
36.9525

■ 14.7834, 6.9245,
35.6795

■ 23.7791, 18.7147,
37.4812

■ 14.5531, 6.7283,
35.6538

■ 26.3741, 22.7221,
38.1179

■ 29.3360, 27.4195,
38.8685

■ 32.6812, 32.8392,
39.7383

■ 36.4249, 39.0112,
40.7323

■ 40.5816, 45.9640,
41.8552

■ 45.1649, 53.7244,
43.1116

Harmonies

Analogous

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



13.0809, 10.4696, 54.0716



18.0117, 10.4696, 36.1935



21.0331, 10.4696, 16.5998

Triad

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



18.0117, 10.4696, 36.1935



11.6312, 10.4696, 0.0000



3.8382, 10.4696, 21.6618

Complementary

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



18.0117, 10.4696, 36.1935



17.5089, 28.6565, 8.0989

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.



3.6626, 10.4696, 7.4176



18.0117, 10.4696, 36.1935



7.3650, 10.4696, 0.1789

Square

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



18.0117, 10.4696, 36.1935



16.6807, 10.4696, 1.0615



4.7460, 10.4696, 1.6994



5.3295, 10.4696, 42.1835

Rectangle

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



18.0117, 10.4696, 36.1935



21.0906, 10.4696, 7.8517



4.7460, 10.4696, 1.6994



3.6447, 10.4696, 15.8818

Sweetspot

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



18.0121, 10.4700, 36.1937



51.3972, 46.8106, 70.0788



11.3414, 9.7027, 36.3972



10.9225, 9.7353, 15.2410



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.0121, 10.4700, 36.1937



29.3886, 15.0191, 65.1024



21.2410, 12.3759, 25.4412



7.1813, 7.1078, 8.8965



11.2050, 5.1829, 27.3396



0.2761, 0.1298, 0.5764

Inverse Universe

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



18.1907, 11.1558, 9.3785



30.4102, 16.7472, 10.8657



16.2328, 27.9097, 12.0571



7.1469, 7.1152, 7.7599



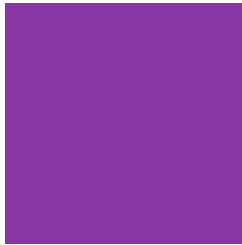
12.0938, 6.1936, 2.4189



0.2724, 0.1375, 0.1473

Previews

White Background



This preview shows how the XYZ color 18.0117, 10.4696, 36.1935 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 18.0117, 10.4696, 36.1935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

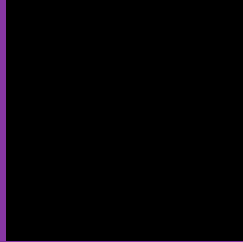
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0117, 10.4696, 36.1935

Background



This preview shows how black text looks on a background with the XYZ color 18.0117, 10.4696, 36.1935.



This preview shows how white text looks on a background with the XYZ color 18.0117, 10.4696,

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

18.0117, 10.4696, 36.1935

Protanopia

12.5668, 10.6103, 48.9626

Deuteranopia

10.9964, 10.7766, 33.3988



Tritanopia

12.6041, 10.4588, 9.9488

Trichromacy



Original Color

18.0117, 10.4696, 36.1935



Protanomaly

11.9877, 9.0765, 43.7679



Deuteranomaly

12.1216, 9.6665, 34.4847



Tritanomaly

13.9798, 10.1072, 17.1337

Monochromacy



Original Color

18.0117, 10.4696, 36.1935



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

12.0578, 9.8826, 18.4116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0117, 10.4696, 36.1935 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(135, 54, 164)` looks like.

```
.text, #text, p{  
    color:rgb(135, 54, 164)  
}
```

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(135, 54, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 54, 164) }
```

Border

The CSS property to change the border of an element to XYZ 18.0117, 10.4696, 36.1935 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(135, 54, 164) }
```


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

```
.border{ border-color:rgb(135, 54, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 54, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 54, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 54, 164); box-shadow:4px 4px 4px 4px rgb(135, 54, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0117, 10.4696, 36.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 54, 164) }
```

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

```
.background{ background-color: rgb(135, 54,  
164) }
```

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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