

Converting Colors

XYZ(18.2166, 8.3015, 50.0768)

Have a look what the booklet for
XYZ(18.2166, 8.3015, 50.0768)
contains.

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Color

**XYZ(18.1564, 8.2736,
49.9302)**

Conversions

Conversions Part 1

Format	Color
Hex	7F00BF
RGB	127, 0, 191
RGB Percent	50%, 0%, 75%
CMY	0.5019, 1.0000, 0.2510
CMYK	0.34, 1.00, 0.00, 0.25
HSL	280°, 100%, 37%
HSV	280°, 100%, 75%
XYZ	18.1564, 8.2736, 49.9302
YIQ	59.7470, 14.3810, 86.3250

Conversions

Conversions Part 2

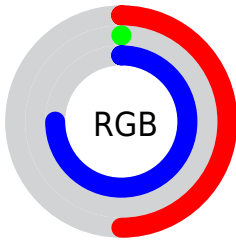
Format	Color
R_{YB}	127, 0, 191
Decimal	8323263
CIE Lab	34.55, 70.09, -67.08
CIE LCh	35, 97.016, 316.257
Yxy	8.2736, 0.2378, 0.1083
Android (android.graphics.Color)	4286513343 (0xFF7F00BF)
YUV	59.7470, 64.7077, 58.9809
Hunter-Lab	28.7639, 62.3365, -82.7848

Details

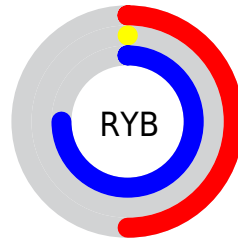
The XYZ color **18.1564, 8.2736, 49.9302** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **20.7450, 38.3516, 6.3092**, and the grayscale version is **4.1722, 4.3895, 4.7801**.

A 20% lighter version of the original color is **40.0025, 22.5864, 91.8738**, and **6.8278, 3.0065, 23.5130** is the 20% darker color. If you saturate the color by 10%, you get **18.1569, 8.2739, 49.9304**, and if you desaturate by 10%, it is **19.3752, 9.2501, 50.0546**.

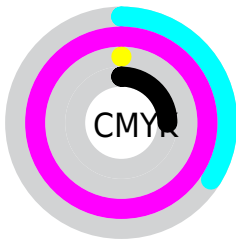
Distribution



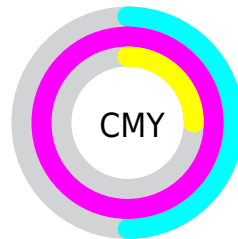
- Red (50%)
- Green (0%)
- Blue (75%)



- Red (50%)
- Yellow (0%)
- Blue (75%)



- Cyan (34%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (50%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1564, 8.2736, 49.9302 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 18.1564, 8.2736, 49.9302 by changing the saturation by 10% instead.

18.1564, 8.2736,
49.9302

18.1564, 8.2736,
49.9302

234.7797,
177.8625, 403.1202

11.1627, 4.2705,
34.9871

39.8316, 22.4931,
91.4667

6.2445, 1.8260,
23.3695

55.2439, 33.4783,
118.8972

3.0364, 0.5033,
14.6587

74.1930, 47.5596,
151.3273

1.1730, 0.0000,
8.4363

97.0445, 65.1215,
189.1755

0.0849, 0.0000,
4.2836

124.1635, 86.5484,
232.8603


0.0000, 0.0000,
1.7822

155.9154,

0.0000, 0.0000,

112.2245, 282.8004


0.4162


 192.6657,
142.5345, 339.4141


 0.0000, 0.0000,
0.0000


 18.1564, 8.2736,
49.9302


 18.1564, 8.2736,
49.9302


 18.1569, 8.2739,
49.9304

 19.3752, 9.2501,
50.0546

 20.8855, 10.7190,
50.2585

 22.7721, 12.8472,
50.5699

 25.0780, 15.7194,
51.0028

 27.8398, 19.4075,
51.5691

■ 31.0899, 23.9745,
52.2793

■ 34.8574, 29.4772,
53.1429

■ 39.1688, 35.9675,
54.1684

■ 44.0489, 43.4934,
55.3638

Harmonies

Analogous

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



11.1864, 8.2736, 79.7546



18.1564, 8.2736, 49.9302



23.1182, 8.2736, 18.2129

Triad

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



18.1564, 8.2736, 49.9302



10.6328, 8.2736, 0.0000



1.4757, 8.2736, 20.3282

Complementary

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



18.1564, 8.2736, 49.9302



20.7450, 38.3516, 6.3092

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.



1.4369, 8.2736, 3.5847



18.1564, 8.2736, 49.9302



5.2744, 8.2736, 0.0000

Square

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



18.1564, 8.2736, 49.9302



17.5931, 8.2736, 0.0000



2.4542, 8.2736, 0.0000



2.6072, 8.2736, 52.9104

Rectangle

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



18.1564, 8.2736, 49.9302



23.6105, 8.2736, 6.1114



2.4542, 8.2736, 0.0000



1.3616, 8.2736, 12.7013

Sweetspot

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



18.1569, 8.2739, 49.9304



62.0875, 52.2864, 95.0990



11.4023, 7.7581, 50.1869



12.9801, 10.5192, 20.7316



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



18.1569, 8.2739, 49.9304



32.2501, 14.6799, 89.4129



28.0387, 13.6975, 35.5120



9.6109, 9.5318, 12.0055



12.0208, 5.4830, 32.8177



0.5377, 0.2492, 1.2886

Inverse Universe

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



22.4113, 11.4465, 5.8782



40.0379, 20.4605, 9.9979



18.8483, 37.3487, 7.3554



9.6585, 9.5877, 10.5907



14.7622, 7.5360, 4.0415



0.6093, 0.3076, 0.3217

Previews

White Background



This preview shows how the XYZ color 18.1564, 8.2736, 49.9302 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

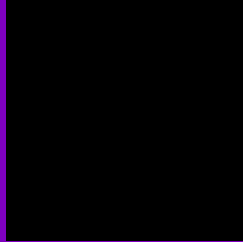
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.1564, 8.2736, 49.9302

Background



This preview shows how black text looks on a background with the XYZ color 18.1564, 8.2736, 49.9302.



This preview shows how white text looks on a background with the XYZ color 18.1564, 8.2736,

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

18.1564, 8.2736, 49.9302

Protanopia

10.1981, 8.7871, 39.1888

Deuteranopia

8.5942, 8.7622, 28.8421



Tritanopia

10.0274, 8.7371, 8.7473

Trichromacy



Original Color

18.1564, 8.2736, 49.9302



Protanomaly

10.3906, 6.2512, 42.7784



Deuteranomaly

9.1038, 5.9576, 35.3204



Tritanomaly

11.3865, 7.0474, 18.5294

Monochromacy



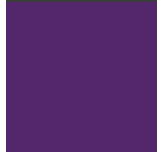
Original Color

18.1564, 8.2736, 49.9302



Achromatopsia

4.2949, 4.5186, 4.9208



Achromatomaly

7.0560, 4.3538, 14.6558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1564, 8.2736, 49.9302 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(127, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 191)  
}
```

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(127, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 18.1564, 8.2736, 49.9302 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(127, 0, 191) }
```


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

```
.border{ border-color:rgb(127, 0, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 0, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(127, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1564, 8.2736, 49.9302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 191) }
```

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

```
.background{ background-color: rgb(127, 0,  
191) }
```

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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