

Converting Colors

XYZ(18.2250, 8.7311, 30.8617)

Have a look what the booklet for
XYZ(18.2250, 8.7311, 30.8617)
contains.

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Color

**XYZ(18.1442, 8.6895,
30.8579)**

Conversions

Conversions Part 1

Format	Color
Hex	950099
RGB	149, 0, 153
RGB Percent	58%, 0%, 60%
CMY	0.4157, 0.9999, 0.4000
CMYK	0.03, 1.00, 0.00, 0.40
HSL	298°, 100%, 30%
HSV	298°, 100%, 60%
XYZ	18.1442, 8.6895, 30.8579
YIQ	61.9930, 39.6910, 79.1710

Conversions

Conversions Part 2

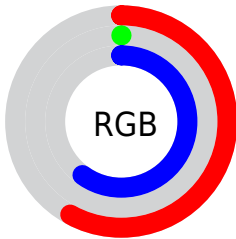
Format	Color
RYB	149, 0, 153
Decimal	9765017
CIELab	35.38, 66.43, -42.79
CIElCh	35, 79.019, 327.217
Yxy	8.6895, 0.3145, 0.1506
Android (android.graphics.Color)	4287955097 (0xFF950099)
YUV	61.9930, 44.8665, 76.3051
Hunter-Lab	29.4780, 58.2835, -41.4310

Details

The XYZ color **18.1442, 8.6895, 30.8579** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.4416, 22.8085, 3.7999**, and the grayscale version is **4.5124, 4.7474, 5.1699**.

A 20% lighter version of the original color is **39.8417, 23.2682, 62.0658**, and **6.8632, 3.2667, 12.5807** is the 20% darker color. If you saturate the color by 10%, you get **18.1443, 8.6895, 30.8580**, and if you desaturate by 10%, it is **18.3928, 9.0779, 30.9199**.

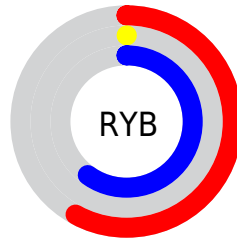
Distribution



Red (58%)

Green (0%)

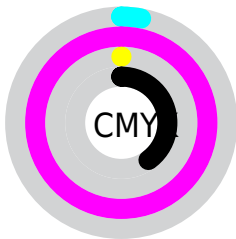
Blue (60%)



Red (58%)

Yellow (0%)

Blue (60%)

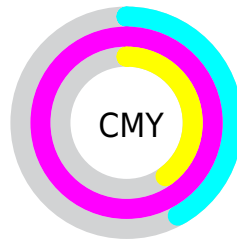


Cyan (3%)

Magenta (100%)

Yellow (0%)

Black (40%)



Cyan (42%)

Magenta (100%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1442, 8.6895, 30.8579 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 18.1442, 8.6895, 30.8579 by changing the saturation by 10% instead.

■ 18.1442, 8.6895,
30.8579

■ 18.1442, 8.6895,
30.8579

234.7125,
181.0444, 320.2140

■ 11.1539, 4.5392,
20.2331

■ 39.8110, 23.2995,
62.0932

■ 6.2385, 1.9795,
12.3788

■ 55.2183, 34.5279,
83.5409

■ 3.0327, 0.5955,
6.8766

■ 74.1619, 48.8846,
109.4332

■ 1.1711, 0.0000,
3.3078

■ 97.0072, 66.7538,
140.1887

■ 0.0833, 0.0000,
1.2538

■ 124.1195, 88.5200,
176.2260

■ 0.0000, 0.0000,
0.0235

■ 155.8643,

■ 0.0000, 0.0000,

114.5676, 217.9637

0.0000

192.6068,
145.2809, 265.8202

■ 18.1442, 8.6895,
30.8579

■ 18.1442, 8.6895,
30.8579

■ 18.1443, 8.6895,
30.8580

■ 18.3928, 9.0779,
30.9199

■ 18.7709, 9.7251,
31.0249

■ 19.3381, 10.7504,
31.1929

■ 20.1186, 12.2016,
31.4319

■ 21.1325, 14.1194,
31.7486

■ 22.3979, 16.5399,
32.1491

■ 23.9311, 19.4955,
32.6388

■ 25.7469, 23.0159,
33.2226

■ 27.8590, 27.1287,
33.9051

Harmonies

Analogous

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



12.9982, 8.6895, 54.5601



18.1442, 8.6895, 30.8579



20.6101, 8.6895, 10.7447

Triad

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



18.1442, 8.6895, 30.8579



8.6958, 8.6895, 0.0000



2.6280, 8.6895, 26.4080

Complementary

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



18.1442, 8.6895, 30.8579



11.4416, 22.8085, 3.7999

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.



2.2020, 8.6895, 8.2845



18.1442, 8.6895, 30.8579



4.8397, 8.6895, 0.0000

Square

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



18.1442, 8.6895, 30.8579



14.0303, 8.6895, 0.0000



2.8332, 8.6895, 1.3076



4.3375, 8.6895, 50.7016

Rectangle

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



18.1442, 8.6895, 30.8579



19.9086, 8.6895, 3.7717



2.8332, 8.6895, 1.3076



2.3657, 8.6895, 19.1084

Sweetspot

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



18.1446, 8.6899, 30.8581



42.6783, 34.5671, 58.3947



5.8055, 2.4110, 30.2965



9.1800, 7.1621, 12.8161



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.1446, 8.6899, 30.8581



32.4686, 15.5486, 55.2619



14.6451, 7.3759, 8.5563



6.4453, 6.3154, 7.8083



15.0005, 7.1841, 25.5038



0.2286, 0.1096, 0.3815

Inverse Universe

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



13.1591, 6.7814, 0.7307



23.5551, 12.1398, 1.2510



12.5419, 23.2428, 9.8554



6.2150, 6.2252, 6.5124



10.8775, 5.6052, 0.6139



0.1641, 0.0844, 0.0172

Previews

White Background



This preview shows how the XYZ color 18.1442, 8.6895, 30.8579 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 18.1442, 8.6895, 30.8579

Background



This preview shows how black text looks on a background with the XYZ color 18.1442, 8.6895, 30.8579.



This preview shows how white text looks on a background with the XYZ color 18.1442, 8.6895,

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

18.1442, 8.6895, 30.8579

Protanopia

10.9297, 9.3211, 42.2974

Deuteranopia

9.6145, 9.4343, 27.6998



Tritanopia

13.1887, 9.0909, 5.9101

Trichromacy



Original Color

18.1442, 8.6895, 30.8579



Protanomaly

9.8623, 6.1576, 37.7145



Deuteranomaly

10.2888, 6.7238, 28.3593



Tritanomaly

14.1321, 8.0704, 11.8792

Monochromacy



Original Color

18.1442, 8.6895, 30.8579



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

7.4072, 4.6569, 11.3350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1442, 8.6895, 30.8579 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(149, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(149, 0, 153)  
}
```

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(149, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 18.1442, 8.6895, 30.8579 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(149, 0, 153) }
```


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

```
.border{ border-color:rgb(149, 0, 153) }
```

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

Here you see how a box with a 4 pixel rgb(149, 0, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(149, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1442, 8.6895, 30.8579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 153) }
```

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

```
.background{ background-color: rgb(149, 0,  
153) }
```

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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