

Converting Colors

XYZ(8.9899, 8.0905, 30.7938)

Have a look what the booklet for
XYZ(8.9899, 8.0905, 30.7938)
contains.

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Color

**XYZ(9.0286, 8.1503,
30.8031)**

Conversions

Conversions Part 1

Format	Color
Hex	1F4F98
RGB	31, 79, 152
RGB Percent	12%, 31%, 60%
CMY	0.8784, 0.6902, 0.4039
CMYK	0.80, 0.48, 0.00, 0.40
HSL	216°, 66%, 36%
HSV	216°, 80%, 60%
XYZ	9.0286, 8.1503, 30.8031
YIQ	72.9700, -52.0410, 12.5270

Conversions

Conversions Part 2

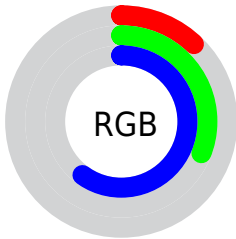
Format	Color
R_{YB}	31, 65, 152
Decimal	2051992
CIE _{Lab}	34.29, 11.35, -44.58
CIE _{LCh}	34, 46.002, 284.288
Yxy	8.1503, 0.1882, 0.1699
Android (android.graphics.Color)	4280242072 (0xFF1F4F98)
YUV	72.9700, 38.9618, -36.8077
Hunter-Lab	28.5487, 6.4907, -43.9878

Details

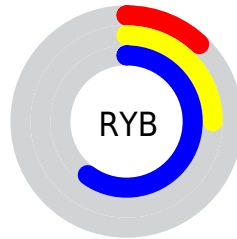
The XYZ color **9.0286, 8.1503, 30.8031** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **18.1479, 16.6773, 3.5596**, and the grayscale version is **6.2690, 6.5955, 7.1825**.

A 20% lighter version of the original color is **23.7010, 22.3762, 62.1014**, and **2.9311, 2.1819, 12.3232** is the 20% darker color. If you saturate the color by 10%, you get **8.0575, 6.7345, 30.5812**, and if you desaturate by 10%, it is **10.3076, 9.8604, 31.0660**.

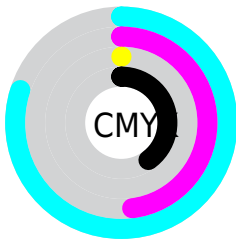
Distribution



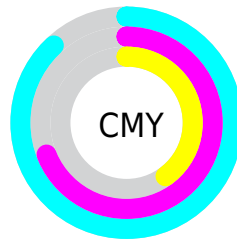
- Red (12%)
- Green (31%)
- Blue (60%)



- Red (12%)
- Yellow (25%)
- Blue (60%)



- Cyan (80%)
- Magenta (48%)
- Yellow (0%)
- Black (40%)



- Cyan (88%)
- Magenta (69%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.0286, 8.1503, 30.8031 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 9.0286, 8.1503, 30.8031 by changing the saturation by 10% instead.

■ 9.0286, 8.1503,
30.8031

■ 9.0286, 8.1503,
30.8031

177.7936,
176.9062, 319.9532

■ 4.8171, 4.1913,
20.1918

■ 23.6182, 22.2526,
62.0059

■ 2.1740, 1.7811,
12.3490

■ 34.7270, 33.1646,
83.4344

■ 0.7290, 0.4754,
6.8564

■ 48.8657, 47.1631,
109.3057

■ 0.0000, 0.0000,
3.2954

■ 66.3995, 64.6324,
140.0384

■ 0.0000, 0.0000,
1.2474

■ 87.6938, 85.9570,
176.0509

■ 0.0000, 0.0000,
0.0181

■ 113.1141,

■ 0.0000, 0.0000,

111.5212, 217.7619

0.0000

143.0256,
141.7095, 265.5898

■ 9.0286, 8.1503,
30.8031

■ 9.0286, 8.1503,
30.8031

■ 8.0575, 6.7345,
30.5812

■ 10.3076, 9.8604,
31.0660

■ 7.3258, 5.5721,
30.3954

■ 11.9238, 11.8851,
31.3716

■ 7.2986, 5.5292,
30.3885

■ 13.9040, 14.2430,
31.7223

■ 16.2715, 16.9509,
32.1202

■ 19.0477, 20.0243,
32.5671

■ 22.2524, 23.4777,
33.0648

■ 25.9039, 27.3247,
33.6149

■ 30.0194, 31.5781,
34.2190

■ 34.6154, 36.2501,
34.8785

Harmonies

Analogous

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



6.4864, 8.1503, 30.5954



9.0286, 8.1503, 30.8031



11.7256, 8.1503, 23.3099

Triad

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



9.0286, 8.1503, 30.8031



11.8402, 8.1503, 2.2144



3.9030, 8.1503, 5.5728

Complementary

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



9.0286, 8.1503, 30.8031



18.1479, 16.6773, 3.5596

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.



4.7881, 8.1503, 2.1175



9.0286, 8.1503, 30.8031



9.1603, 8.1503, 1.0397

Square

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



9.0286, 8.1503, 30.8031



13.5757, 8.1503, 5.8250



6.5921, 8.1503, 1.0181



3.8830, 8.1503, 12.8364

Rectangle

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



9.0286, 8.1503, 30.8031



13.0936, 8.1503, 16.5202



6.5921, 8.1503, 1.0181



4.0987, 8.1503, 4.0489

Sweetspot

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



9.0290, 8.1505, 30.8033



36.4268, 38.3871, 57.9232



14.2724, 23.7396, 16.8216



7.8647, 8.2763, 13.1005



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.



9.0290, 8.1505, 30.8033



13.1662, 10.1806, 53.7048



7.1587, 3.7635, 30.0551



6.0755, 6.4083, 7.8457



6.1483, 4.6934, 25.4896



0.1259, 0.1382, 0.3924

Inverse Universe

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



14.8506, 8.2205, 8.2012



24.4880, 12.5719, 9.2427



22.2744, 28.1225, 5.5513



6.3052, 6.2612, 6.9873



11.5622, 5.8791, 4.2194



0.1900, 0.0948, 0.1535

Previews

White Background



This preview shows how the XYZ color 9.0286, 8.1503, 30.8031 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



This preview shows how the XYZ color 9.0286, 8.1503, 30.8031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

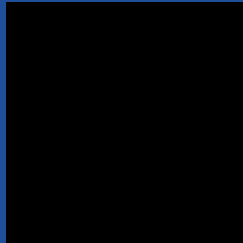
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.0286, 8.1503, 30.8031

Background



This preview shows how black text looks on a background with the XYZ color 9.0286, 8.1503, 30.8031.



This preview shows how white text looks on a background with the XYZ color 9.0286, 8.1503,

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

9.0286, 8.1503, 30.8031

Protanopia

9.2248, 8.1546, 30.3659

Deuteranopia

8.0513, 8.0482, 27.5147



Tritanopia

5.6837, 7.9893, 12.3089

Trichromacy



Original Color

9.0286, 8.1503, 30.8031

Protanomaly

9.0733, 8.0765, 30.3589

Deuteranomaly

8.3469, 8.0626, 28.7201

Tritanomaly

6.5389, 7.8291, 17.6895

Monochromacy



Original Color

9.0286, 8.1503, 30.8031

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

6.6593, 6.8910, 13.5495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.0286, 8.1503, 30.8031 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(31, 79, 152)` looks like.

```
.text, #text, p{  
    color:rgb(31, 79, 152)  
}
```

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(31, 79, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 79, 152) }
```

Border

The CSS property to change the border of an element to XYZ 9.0286, 8.1503, 30.8031 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(31, 79, 152) }
```


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

```
.border{ border-color:rgb(31, 79, 152) }
```

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

Here you see how a box with a 4 pixel rgb(31, 79, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 79, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 79, 152);  
box-shadow:4px 4px 4px 4px rgb(31, 79,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 9.0286, 8.1503, 30.8031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 79, 152) }
```

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

```
.background{ background-color: rgb(31, 79,  
152) }
```

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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