

Converting Colors

XYZ(31.1534, 24.4371, 66.7287)

Have a look what the booklet for
XYZ(31.1534, 24.4371, 66.7287)
contains.

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Color

**XYZ(31.1289, 24.4383,
66.6947)**

Conversions

Conversions Part 1

Format	Color
Hex	9577D6
RGB	149, 119, 214
RGB Percent	58%, 47%, 84%
CMY	0.4157, 0.5333, 0.1608
CMYK	0.30, 0.44, 0.00, 0.16
HSL	259°, 54%, 65%
HSV	259°, 44%, 84%
XYZ	31.1289, 24.4383, 66.6947
YIQ	138.8000, -12.6150, 35.9050

Conversions

Conversions Part 2

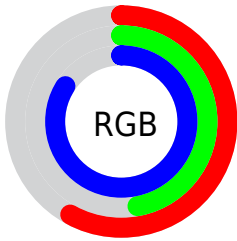
Format	Color
R _{YB}	149, 119, 214
Decimal	9795542
CIE _{Lab}	56.52, 32.05, -44.81
CIE _{LCh}	57, 55.092, 305.570
Y _{xy}	24.4383, 0.2546, 0.1999
Android (android.graphics.Color)	4287985622 (0xFF9577D6)
YUV	138.8000, 37.0736, 8.9454
Hunter-Lab	49.4351, 25.8886, -45.3857

Details

The XYZ color **31.1289, 24.4383, 66.6947** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.1439, 59.6158, 26.4759**, and the grayscale version is **24.3301, 25.5972, 27.8753**.

A 20% lighter version of the original color is **57.9794, 49.7042, 101.1458**, and **13.1675, 9.3164, 33.9051** is the 20% darker color. If you saturate the color by 10%, you get **26.3575, 18.6143, 65.8225**, and if you desaturate by 10%, it is **36.8114, 31.5840, 67.7749**.

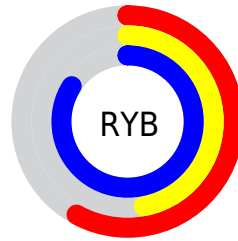
Distribution



Red (58%)

Green (47%)

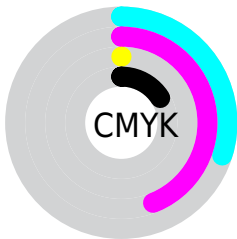
Blue (84%)



Red (58%)

Yellow (47%)

Blue (84%)

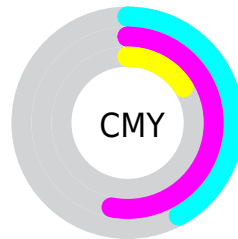


Cyan (30%)

Magenta (44%)

Yellow (0%)

Black (16%)



Cyan (42%)

Magenta (53%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1289, 24.4383, 66.6947 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 31.1289, 24.4383, 66.6947 by changing the saturation by 10% instead.

■ 31.1289, 24.4383,
66.6947

■ 31.1289, 24.4383,
66.6947

298.9480,
275.0290, 467.3291

■ 20.8493, 15.6591,
48.3765

■ 60.8174, 50.7445,
116.1193

■ 13.1257, 9.2832,
33.7630

■ 80.9571, 69.0403,
148.0629

■ 7.5928, 4.9264,
22.4357

■ 105.1141, 91.2770,
185.3853

■ 3.8851, 2.2041,
13.9761

133.6540,
117.8391, 228.5051

■ 1.6373, 0.7222,
7.9655

166.9419,
149.1109, 277.8408

■ 0.4166, 0.0000,
3.9854

205.3433,

■ 0.0000, 0.0000,

185.4769, 333.8111

1.6173

249.2236,
227.3215, 396.8343

■ 0.0000, 0.0000,
0.3031

■ 0.0000, 0.0000,
0.0000

■ 31.1289, 24.4383,
66.6947

■ 31.1289, 24.4383,
66.6947

■ 26.3575, 18.6143,
65.8225

■ 36.8114, 31.5840,
67.7749

■ 22.4430, 14.0249,
65.1430

■ 43.4493, 40.1253,
69.0737


■ 19.3293, 10.5767,
64.6415

■ 51.0872, 50.1339,
70.6030


■ 16.9517, 8.1608,
64.3005


■ 59.7660, 61.6758,
72.3734


 15.2333, 6.6461,
64.0987

 69.5242, 74.8126,
74.3947

 14.4925, 6.0690,
64.0264

 80.3984, 89.6029,
76.6764

 87.8604, 96.9766,
77.7064

 89.1377, 97.6351,
77.7661

Harmonies

Analogous

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



24.4404, 24.4383, 79.2077



31.1289, 24.4383, 66.6947



36.2991, 24.4383, 43.9667

Triad

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



31.1289, 24.4383, 66.6947



28.6861, 24.4383, 5.7148



13.0237, 24.4383, 30.1710

Complementary

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



31.1289, 24.4383, 66.6947



47.1439, 59.6158, 26.4759

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.



13.7448, 24.4383, 14.5527



31.1289, 24.4383, 66.6947



22.0561, 24.4383, 4.7105

Square

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



31.1289, 24.4383, 66.6947



34.7174, 24.4383, 10.9457



16.7915, 24.4383, 7.0287



14.6022, 24.4383, 52.7594

Rectangle

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



31.1289, 24.4383, 66.6947



37.7493, 24.4383, 29.4192



16.7915, 24.4383, 7.0287



13.0092, 24.4383, 23.9840

Sweetspot

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



31.1298, 24.4392, 66.6953



77.5138, 76.5921, 105.3061



37.1998, 43.6852, 70.0902



16.0116, 15.6284, 22.4226



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.1298, 24.4392, 66.6953



39.7567, 28.3540, 97.9852



41.2408, 29.6516, 67.1685



12.1080, 12.1971, 15.6536



8.8553, 3.7176, 38.7040



0.6188, 0.2679, 2.3384

Inverse Universe

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



42.9806, 30.9512, 49.0564



59.8625, 39.4265, 66.9538



37.8583, 54.8289, 26.0413



12.7784, 12.5628, 14.7730



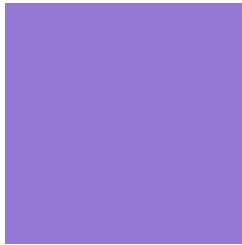
19.9667, 9.9230, 17.6604



1.2410, 0.6132, 1.2586

Previews

White Background



This preview shows how the XYZ color 31.1289, 24.4383, 66.6947 looks on a white background.

Color Contrast Check

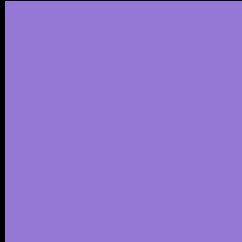
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 31.1289, 24.4383, 66.6947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

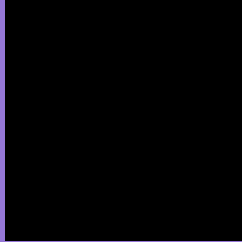
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.1289, 24.4383, 66.6947

Background



This preview shows how black text looks on a background with the XYZ color 31.1289, 24.4383, 66.6947.



This preview shows how white text looks on a background with the XYZ color 31.1289, 24.4383,

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

31.1289, 24.4383, 66.6947

Protanopia

27.0448, 24.8074, 75.3144

Deuteranopia

25.3516, 24.5725, 65.0348



Tritanopia

23.6276, 24.2454, 30.2226

Trichromacy



Original Color

31.1289, 24.4383, 66.6947

Protanomaly

28.1064, 24.4253, 72.3404

Deuteranomaly

26.9364, 24.1670, 65.5323

Tritanomaly

25.9212, 24.1782, 41.3309

Monochromacy



Original Color

31.1289, 24.4383, 66.6947

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.4619, 25.0953, 39.5256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1289, 24.4383, 66.6947 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, 119, 214)` looks like.

```
.text, #text, p{  
    color:rgb(149, 119, 214)  
}
```

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, 119, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 119, 214) }
```

Border

The CSS property to change the border of an element to XYZ 31.1289, 24.4383, 66.6947 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, 119, 214) }
```


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

```
.border{ border-color:rgb(149, 119, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 119, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 119, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 119, 214);  
box-shadow:4px 4px 4px 4px rgb(149, 119,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1289, 24.4383, 66.6947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 119, 214) }
```

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

```
.background{ background-color: rgb(149,  
119, 214) }
```

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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