

Converting Colors

XYZ(33.6385, 27.6221, 65.8460)

Have a look what the booklet for
XYZ(33.6385, 27.6221, 65.8460)
contains.

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Color

**XYZ(33.6385, 27.6221,
65.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	9D81D4
RGB	157, 129, 212
RGB Percent	62%, 51%, 83%
CMY	0.3843, 0.4941, 0.1686
CMYK	0.26, 0.39, 0.00, 0.17
HSL	260°, 49%, 67%
HSV	260°, 39%, 83%
XYZ	33.6385, 27.6221, 65.8460
YIQ	146.8340, -9.9550, 31.7490

Conversions

Conversions Part 2

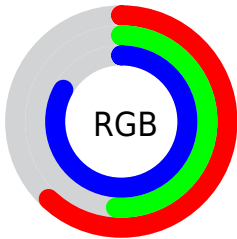
Format	Color
RYB	157, 129, 212
Decimal	10322388
CIELab	59.55, 28.05, -38.88
CIELCh	60, 47.938, 305.805
Yxy	27.6221, 0.2646, 0.2173
Android (android.graphics.Color)	4288512468 (0xFF9D81D4)
YUV	146.8340, 32.1268, 8.9156
Hunter-Lab	52.5567, 22.2732, -37.4921

Details

The XYZ color **33.6385, 27.6221, 65.8460** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **47.2739, 58.8629, 29.6401**, and the grayscale version is **27.5400, 28.9742, 31.5529**.

A 20% lighter version of the original color is **62.2185, 54.8220, 101.9102**, and **14.5907, 10.9693, 33.2466** is the 20% darker color. If you saturate the color by 10%, you get **28.5453, 21.2727, 64.8894**, and if you desaturate by 10%, it is **39.6282, 35.2947, 67.0118**.

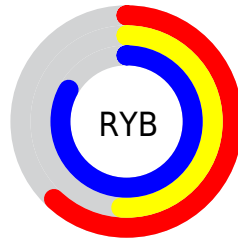
Distribution



Red (62%)

Green (51%)

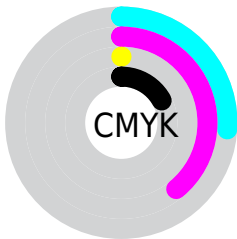
Blue (83%)



Red (62%)

Yellow (51%)

Blue (83%)

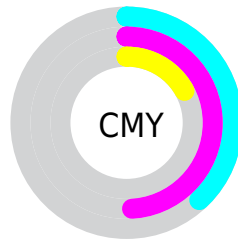


Cyan (26%)

Magenta (39%)

Yellow (0%)

Black (17%)



Cyan (38%)

Magenta (49%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6385, 27.6221, 65.8460 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 33.6385, 27.6221, 65.8460 by changing the saturation by 10% instead.

33.6385, 27.6221,
65.8460

33.6385, 27.6221,
65.8460

310.1315,
290.6567, 464.2151

22.7776, 18.0410,
47.6917

64.7191, 55.8805,
114.8902

14.5492, 10.9794,
33.2246

85.6696, 75.3267,
146.6171

8.5878, 6.0530,
22.0260

110.7139, 98.8299,
183.7054

4.5283, 2.8773,
13.6775

140.2175,
126.7746, 226.5735

2.0051, 1.0680,
7.7605

174.5457,
159.5453, 275.6400

0.6368, 0.0000,
3.8565

214.0639,

0.0000, 0.0000,

197.5263, 331.3234

1.5470

259.1373,
241.1020, 394.0422

■ 0.0000, 0.0000,
0.2526

■ 0.0000, 0.0000,
0.0000

■ 33.6385, 27.6221,
65.8460

■ 33.6385, 27.6221,
65.8460

■ 28.5453, 21.2727,
64.8894

■ 39.6282, 35.2947,
67.0118

■ 24.2988, 16.1655,
64.1274

■ 46.5544, 44.3585,
68.3962

■ 20.8488, 12.2157,
63.5468

■ 54.4584, 54.8806,
70.0106

■ 18.1375, 9.3257,
63.1319

■ 63.3779, 66.9226,
71.8648

■ 16.0984, 7.3812,
62.8640

■ 73.3486, 80.5427,
73.9682

■ 14.6292, 6.1979,
62.7131

■ 84.0191, 95.0257,
76.2013

■ 14.5204, 6.1128,
62.7024

■ 88.8838, 97.5335,
76.4290

Harmonies

Analogous

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



27.4443, 27.6221, 76.6862



33.6385, 27.6221, 65.8460



38.3144, 27.6221, 45.8416

Triad

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



33.6385, 27.6221, 65.8460



31.2986, 27.6221, 8.8162



16.3254, 27.6221, 33.5612

Complementary

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



33.6385, 27.6221, 65.8460



47.2739, 58.8629, 29.6401

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.



17.0341, 27.6221, 18.4157



33.6385, 27.6221, 65.8460



25.0985, 27.6221, 7.6589

Square

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



33.6385, 27.6221, 65.8460



36.8252, 27.6221, 14.5311



20.0379, 27.6221, 10.3830



17.9283, 27.6221, 53.9865

Rectangle

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



33.6385, 27.6221, 65.8460



39.5990, 27.6221, 32.5708



20.0379, 27.6221, 10.3830



16.3047, 27.6221, 27.7115

Sweetspot

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



33.6395, 27.6232, 65.8466



78.9828, 78.3616, 105.5702



38.1476, 43.8412, 68.7394



16.5606, 16.3124, 22.5257



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.



33.6395, 27.6232, 65.8466



44.5448, 33.7712, 98.7785



43.0674, 32.4834, 66.2879



12.1335, 12.2102, 15.6548



9.0602, 3.8232, 38.7136



0.6334, 0.2754, 2.3391

Inverse Universe

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



43.6542, 33.1593, 49.4479



62.1353, 43.5140, 69.1241



38.8057, 54.4974, 29.2438



12.7667, 12.5582, 14.7116



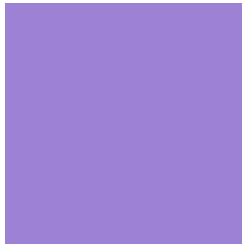
19.7546, 9.8382, 16.5438



1.2294, 0.6085, 1.1974

Previews

White Background



This preview shows how the XYZ color 33.6385, 27.6221, 65.8460 looks on a white background.

Color Contrast Check

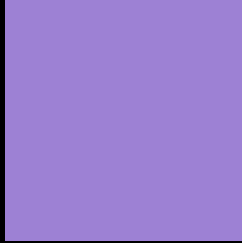
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6385, 27.6221, 65.8460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

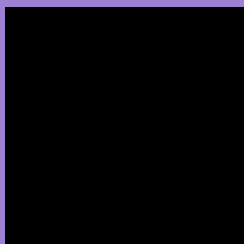
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6385, 27.6221, 65.8460

Background



This preview shows how black text looks on a background with the XYZ color 33.6385, 27.6221, 65.8460.



This preview shows how white text looks on a background with the XYZ color 33.6385, 27.6221,

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

33.6385, 27.6221, 65.8460

Protanopia

29.6491, 27.9011, 72.9300

Deuteranopia

28.3841, 27.6625, 64.1650



Tritanopia

27.2768, 27.7569, 34.0570

Trichromacy



Original Color

33.6385, 27.6221, 65.8460

Protanomaly

30.8065, 27.6991, 70.0525

Deuteranomaly

29.9386, 27.3698, 64.6777

Tritanomaly

29.1633, 27.4313, 43.8021

Monochromacy



Original Color

33.6385, 27.6221, 65.8460

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.4913, 28.2758, 42.4315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6385, 27.6221, 65.8460 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(157, 129, 212)` looks like.

```
.text, #text, p{  
    color:rgb(157, 129, 212)  
}
```

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(157, 129, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 129, 212) }
```

Border

The CSS property to change the border of an element to XYZ 33.6385, 27.6221, 65.8460 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(157, 129, 212) }
```


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

```
.border{ border-color:rgb(157, 129, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 129, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 129, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 129, 212); box-shadow:4px 4px 4px 4px rgb(157, 129, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6385, 27.6221, 65.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 129, 212) }
```

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

```
.background{ background-color: rgb(157,  
129, 212) }
```

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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