Converting Colors

XYZ(28.8366, 25.8256, 67.6426)

Have a look what the booklet for XYZ(28.8366, 25.8256, 67.6426) contains.

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Color

XYZ(28.9655, 25.9664, 67.7754)

Conversions

Conversions Part 1

Format	Color
Hex	7C85D7
RGB	124, 133, 215
RGB Percent	49%, 52%, 84%
CMY	0.5137, 0.4784, 0.1569
CMYK	0.42, 0.38, 0.00, 0.16
HSL	234°, 53%, 66%
HSV	234°, 42%, 84%
XYZ	28.9655, 25.9664, 67.7754
YIQ	139.6570, -31.6860, 23.5940

Conversions

Conversions Part 2

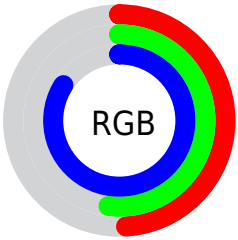
Format	Color
RYB	124, 132, 215
Decimal	8160727
CIELab	58.01, 17.49, -43.17
CIELCh	58, 46.577, 292.050
Yxy	25.9664, 0.2361, 0.2116
Android (android.graphics.Color)	4286350807 (0xFF7C85D7)
YUV	139.6570, 37.1441, -13.7312
Hunter-Lab	50.9572, 12.2892, -43.1883

Details

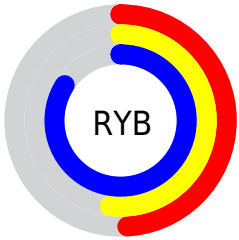
The XYZ color 28.9655, 25.9664, 67.7754 is a light color, and the websafe version is hex 9999FF. A complement of this color would be 53.7351, 60.0469, 27.8284, and the grayscale version is 24.6646, 25.9491, 28.2586.

A 20% lighter version of the original color is 54.4313, 52.0411, 101.7838, and 11.9697, 10.1439, 34.5848 is the 20% darker color. If you saturate the color by 10%, you get 23.7781, 19.7115, 66.8420, and if you desaturate by 10%, it is 35.3214, 33.5508, 68.9048.

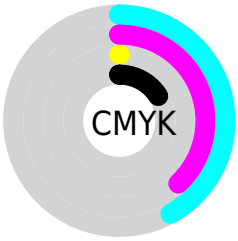
Distribution



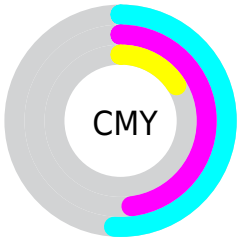
- Red (49%)
- Green (52%)
- Blue (84%)



- Red (49%)
- Yellow (52%)
- Blue (84%)



- Cyan (42%)
- Magenta (38%)
- Yellow (0%)
- Black (16%)



- Cyan (51%)
- Magenta (48%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9655, 25.9664, 67.7754 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 28.9655, 25.9664, 67.7754 by changing the saturation by 10% instead.

28.9655, 25.9664, 67.7754

28.9655, 25.9664, 67.7754

289.0493, 282.6171, 471.2763

19.1989, 16.7985, 49.2495

57.4202, 53.2207, 117.6820

11.9189, 10.0909, 34.4504

76.8390, 72.0760, 149.8997

6.7603, 5.4593, 22.9597

100.2059, 94.9291, 187.5184

3.3576, 2.5192, 14.3587

127.8862, 122.1645, 230.9567

1.3456, 0.8862, 8.2290

160.2454, 154.1666, 280.6331

0.2170, 0.0000, 4.1520

197.6487,

0.0000, 0.0000,

191.3199, 336.9661

240.4616, 234.0085, 400.3743

1.7091

0.0000, 0.0000, 0.3669

0.0000, 0.0000, 0.0000

28.9655, 25.9664, 67.7754

28.9655, 25.9664, 67.7754

23.7781, 19.7115, 66.8420

35.3214, 33.5508, 68.9048

19.6848, 14.7064, 66.0916

42.9083, 42.5325, 70.2386

16.6074, 10.8674, 65.5128

51.7875, 52.9779, 71.7868

14.4556, 8.0991, 65.0919

62.0156, 64.9486, 73.5583

13.1231, 6.2907, 64.8131

12.5388, 5.4522, 64.6820

73.6456, 78.5025, 75.5615

86.7279, 93.6943, 77.8043

89.2658, 97.6863, 78.4411

Harmonies

Analogous

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

23.2150, 25.9664, 71.3602

28.9655, 25.9664, 67.7754

34.2247, 25.9664, 51.9085

Triad

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

28.9655, 25.9664, 67.7754

31.9438, 25.9664, 10.2113

15.4468, 25.9664, 24.2031

Complementary

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

28.9655, 25.9664, 67.7754

53.7351, 60.0469, 27.8284

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.

17.0991, 25.9664, 13.1866

28.9655, 25.9664, 67.7754

26.2060, 25.9664, 7.3585

Square

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

28.9655, 25.9664, 67.7754

36.1180, 25.9664, 18.1694

20.8400, 25.9664, 8.1898

15.9548, 25.9664, 41.5624

Rectangle

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

28.9655, 25.9664, 67.7754

36.4601, 25.9664, 38.9290

20.8400, 25.9664, 8.1898

15.7579, 25.9664, 19.7640

Sweetspot

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

28.9665, 25.9673, 67.7760

75.0880, 76.6454, 105.4442

43.7421, 57.3382, 67.0915

15.4200, 15.6397, 22.4560

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.

28.9665, 25.9673, 67.7760

35.5612, 29.6983, 98.4658

34.0520, 26.8380, 67.6760

11.8404, 12.2042, 15.6691

7.5352, 3.3321, 38.6992

0.4890, 0.2700, 2.3457

Inverse Universe

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

39.4666, 30.5572, 26.0090

53.1409, 37.7440, 28.4567

46.4376, 59.5930, 28.1254

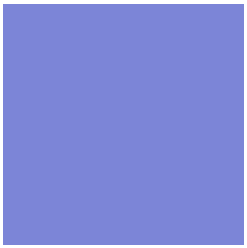
12.4726, 12.4406, 13.1632

16.8623, 8.6812, 1.3128

1.0345, 0.5306, 0.1710

Previews

White Background

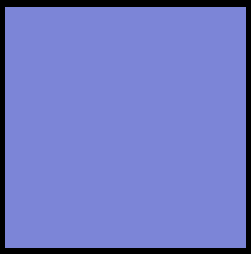


This preview shows how the XYZ color 28.9655, 25.9664, 67.7754 looks on a white background.

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



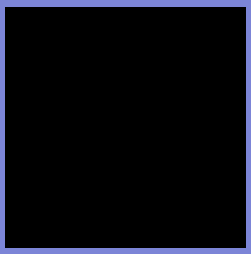
This preview shows how the XYZ color 28.9655, 25.9664, 67.7754 looks on a black background.

Color Contrast Check

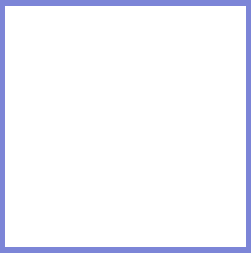
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 28.9655, 25.9664, 67.7754 Background



This preview shows how black text looks on a background with the XYZ color 28.9655, 25.9664, 67.7754.



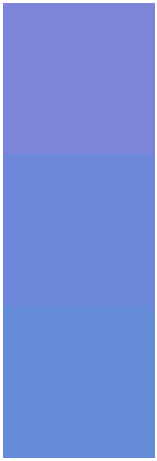
This preview shows how white text looks on a background with the XYZ color 28.9655, 25.9664,

67.7754.

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



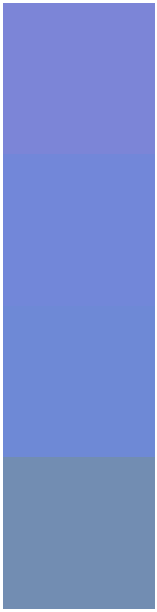
Original Color
28.9655, 25.9664, 67.7754

Protanopia
27.7657, 25.9215, 69.8696

Deuteranopia
26.8497, 26.1451, 67.2497

Tritanopia
22.5179, 25.9363, 35.7177

Trichromacy



Original Color
28.9655, 25.9664, 67.7754

Protanomaly
28.1278, 25.9151, 69.1653

Deuteranomaly
27.5137, 26.0614, 67.1985

Tritanomaly
24.5002, 25.8415, 45.8161

Monochromacy

Original Color
28.9655, 25.9664, 67.7754

Achromatopsia
24.9269, 26.2251, 28.5591

Achromatomaly
25.7522, 25.7497, 40.1721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9655, 25.9664, 67.7754 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(124, 133, 215) looks like.

```
.text, #text, p{
    color:rgb(124, 133, 215)
}
```

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(124, 133, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 133, 215) }
```

Border

The CSS property to change the border of an element to XYZ 28.9655, 25.9664, 67.7754 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(124, 133, 215) }
```

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

```
.border{ border-color:rgb(124, 133, 215) }
```

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

Here you see how a box with a 4 pixel rgb(124, 133, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 133, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 133, 215); box-shadow:4px 4px 4px 4px rgb(124, 133, 215) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9655, 25.9664, 67.7754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(124, 133, 215) }
```

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

```
.background{ background-color:rgb(124,
133, 215) }
```

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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