

Converting Colors

XYZ(27.5073, 19.8033, 64.6606)

Have a look what the booklet for
XYZ(27.5073, 19.8033, 64.6606)
contains.

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Color

**XYZ(27.6195, 19.9189,
64.6764)**

Conversions

Conversions Part 1

Format	Color
Hex	8D66D4
RGB	141, 102, 212
RGB Percent	55%, 40%, 83%
CMY	0.4470, 0.6000, 0.1686
CMYK	0.33, 0.52, 0.00, 0.17
HSL	261°, 56%, 62%
HSV	261°, 52%, 83%
XYZ	27.6195, 19.9189, 64.6764
YIQ	126.2010, -12.0660, 42.4780

Conversions

Conversions Part 2

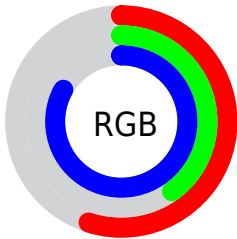
Format	Color
RYB	141, 102, 212
Decimal	9266900
CIELab	51.75, 39.17, -51.32
CIElCh	52, 64.562, 307.355
Yxy	19.9189, 0.2461, 0.1775
Android (android.graphics.Color)	4287456980 (0xFF8D66D4)
YUV	126.2010, 42.2989, 12.9787
Hunter-Lab	44.6306, 32.3606, -54.6787

Details

The XYZ color **27.6195, 19.9189, 64.6764** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **43.1755, 56.9308, 21.2841**, and the grayscale version is **19.7638, 20.7930, 22.6436**.

A 20% lighter version of the original color is **52.8943, 42.3370, 99.9918**, and **11.1967, 6.9590, 32.6514** is the 20% darker color. If you saturate the color by 10%, you get **23.6115, 15.1456, 63.9667**, and if you desaturate by 10%, it is **32.4493, 25.9072, 65.5781**.

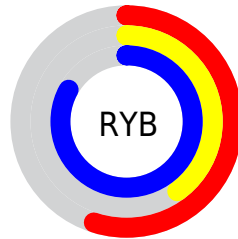
Distribution



Red (55%)

Green (40%)

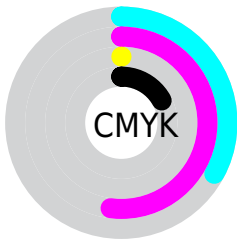
Blue (83%)



Red (55%)

Yellow (40%)

Blue (83%)

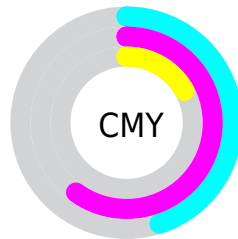


Cyan (33%)

Magenta (52%)

Yellow (0%)

Black (17%)



Cyan (45%)

Magenta (60%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6195, 19.9189, 64.6764 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 27.6195, 19.9189, 64.6764 by changing the saturation by 10% instead.

■ 27.6195, 19.9189,
64.6764

■ 27.6195, 19.9189,
64.6764

282.7574,
251.4757, 459.9025

■ 18.1780, 12.3361,
46.7491

■ 55.2893, 43.2812,
113.1933

■ 11.1783, 6.9730,
32.4844

■ 74.2483, 59.8294,
144.6200

■ 6.2551, 3.4452,
21.4639

■ 97.1105, 80.1350,
181.3834

■ 3.0429, 1.3684,
13.2690

■ 124.2413,
104.5822, 223.9023

■ 1.1765, 0.1932,
7.4811

156.0061,
133.5555, 272.5951

■ 0.0877, 0.0000,
3.6818

192.7701,

■ 0.0000, 0.0000,

167.4393, 327.8804

1.4525

234.8988,
206.6179, 390.1767

■ 0.0000, 0.0000,
0.1821

■ 0.0000, 0.0000,
0.0000

■ 27.6195, 19.9189,
64.6764

■ 27.6195, 19.9189,
64.6764

■ 23.6115, 15.1456,
63.9667

■ 32.4493, 25.9072,
65.5781

■ 20.3710, 11.4967,
63.4332

■ 38.1453, 33.1876,
66.6831

■ 17.8401, 8.8722,
63.0600

■ 44.7517, 41.8331,
68.0037

■ 15.9499, 7.1519,
62.8276

■ 52.3086, 51.9108,
69.5506

■ 14.7984, 6.2561,
62.7153

■ 60.8537, 63.4831,
71.3339

■ 70.4224, 76.6086,
73.3630

■ 81.0485, 91.3430,
75.6470

■ 87.2368, 96.6845,
76.3519

■ 88.8837, 97.5335,
76.4289

Harmonies

Analogous

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



20.5858, 19.9189, 80.4829



27.6195, 19.9189, 64.6764



33.0476, 19.9189, 38.6914

Triad

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



27.6195, 19.9189, 64.6764



24.1906, 19.9189, 2.5496



9.0093, 19.9189, 26.6256

Complementary

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



27.6195, 19.9189, 64.6764



43.1755, 56.9308, 21.2841

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.



9.5468, 19.9189, 10.5791



27.6195, 19.9189, 64.6764



17.3699, 19.9189, 2.0002

Square

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



27.6195, 19.9189, 64.6764



30.7715, 19.9189, 6.3673



12.2894, 19.9189, 3.8216



10.6018, 19.9189, 51.6460

Rectangle

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



27.6195, 19.9189, 64.6764



34.4511, 19.9189, 23.3909



12.2894, 19.9189, 3.8216



8.9546, 19.9189, 20.0704

Sweetspot

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



27.6203, 19.9196, 64.6769



74.3538, 72.0175, 104.5896



32.4033, 37.6581, 67.8487



15.4059, 14.7365, 22.2824



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.



27.6203, 19.9196, 64.6769



35.4439, 22.5189, 97.0862



39.2706, 25.9256, 65.2221



12.1539, 12.2207, 15.6558



9.2349, 3.9133, 38.7218



0.6456, 0.2817, 2.3397

Inverse Universe

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



39.4459, 26.5174, 42.5744



55.8078, 33.9119, 57.6032



33.4816, 51.9334, 20.8304



12.7574, 12.5545, 14.6626



19.5913, 9.7729, 15.6839



1.2204, 0.6049, 1.1498

Previews

White Background



This preview shows how the XYZ color 27.6195, 19.9189, 64.6764 looks on a white background.

Color Contrast Check

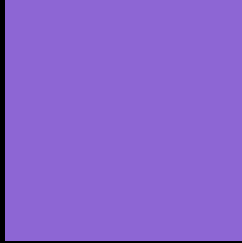
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6195, 19.9189, 64.6764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

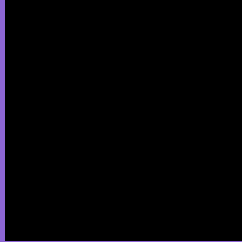
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6195, 19.9189, 64.6764

Background



This preview shows how black text looks on a background with the XYZ color 27.6195, 19.9189, 64.6764.



This preview shows how white text looks on a background with the XYZ color 27.6195, 19.9189,

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

27.6195, 19.9189, 64.6764

Protanopia

23.2462, 20.3044, 77.5568

Deuteranopia

20.6501, 20.0441, 61.8120



Tritanopia

19.5818, 19.9450, 24.6475

Trichromacy



Original Color

27.6195, 19.9189, 64.6764

Protanomaly

23.7386, 19.4651, 72.3180

Deuteranomaly

22.2682, 19.4214, 62.8966

Tritanomaly

21.9238, 19.6600, 36.3575

Monochromacy



Original Color

27.6195, 19.9189, 64.6764

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.8072, 19.9822, 34.6059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6195, 19.9189, 64.6764 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(141, 102, 212)` looks like.

```
.text, #text, p{  
    color:rgb(141, 102, 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(141, 102, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 102, 212) }
```

Border

The CSS property to change the border of an element to XYZ 27.6195, 19.9189, 64.6764 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(141, 102, 212) }
```


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

```
.border{ border-color:rgb(141, 102, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 102, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 102, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 102, 212);  
box-shadow:4px 4px 4px 4px rgb(141, 102,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6195, 19.9189, 64.6764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 102, 212) }
```

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

```
.background{ background-color: rgb(141,  
102, 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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