Converting Colors

XYZ(6.8673, 4.1619, 25.6407)

Have a look what the booklet for XYZ(6.8673, 4.1619, 25.6407) contains.

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Color

XYZ(6.8673, 4.1619, 25.6407)

Conversions

Conversions Part 1

Format	Color
Hex	31298D
RGB	49, 41, 141
RGB Percent	19%, 16%, 55%
CMY	0.8078, 0.8392, 0.4471
CMYK	0.65, 0.71, 0.00, 0.45
HSL	245°, 55%, 36%
HSV	245°, 71%, 55%
XYZ	6.8673, 4.1619, 25.6407
YIQ	54.7920, -27.3320, 32.7960

Conversions

Conversions Part 2

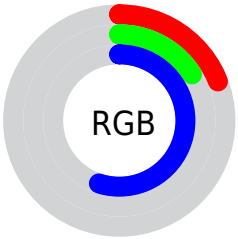
Format	Color
RYB	49, 41, 141
Decimal	3221901
CIELab	24.20, 34.98, -54.20
CIELCh	24, 64.502, 302.837
Yxy	4.1619, 0.1873, 0.1135
Android (android.graphics.Color)	4281411981 (0xFF31298D)
YUV	54.7920, 42.5005, -5.0796
Hunter-Lab	20.4007, 24.3854, -60.2382

Details

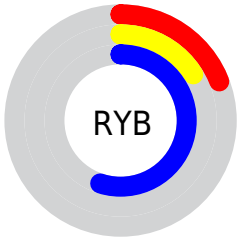
The XYZ color 6.8673, 4.1619, 25.6407 is a dark color, and the websafe version is hex 333399. A complement of this color would be 19.5969, 24.1959, 5.7351, and the grayscale version is 3.5562, 3.7414, 4.0743.

A 20% lighter version of the original color is 19.4354, 13.9277, 53.8885, and 1.8455, 0.7382, 9.7181 is the 20% darker color. If you saturate the color by 10%, you get 5.9261, 3.0780, 25.4812, and if you desaturate by 10%, it is 8.1638, 5.6882, 25.8671.

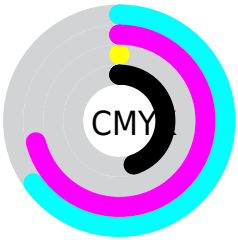
Distribution



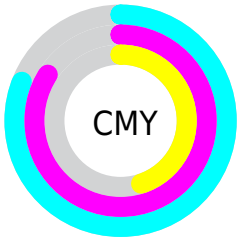
- Red (19%)
- Green (16%)
- Blue (55%)



- Red (19%)
- Yellow (16%)
- Blue (55%)



- Cyan (65%)
- Magenta (71%)
- Yellow (0%)
- Black (45%)



- Cyan (81%)
- Magenta (84%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.8673, 4.1619, 25.6407 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 6.8673, 4.1619, 25.6407 by changing the saturation by 10% instead.

6.8673, 4.1619, 25.6407

6.8673, 4.1619, 25.6407

161.1253, 141.4019, 294.5630

3.4248, 1.7645, 16.3317

19.4131, 13.9768, 53.6717

1.3822, 0.4649, 9.6023

29.2472, 22.1631, 73.2307

0.2435, 0.0000, 5.0339

41.9425, 33.0478, 97.0436

0.0000, 0.0000, 2.2081

57.8644, 47.0154, 125.5287

0.0000, 0.0000, 0.6790

77.3783, 64.4502, 159.1046

0.0000, 0.0000, 0.0000

100.8495, 85.7366,

198.1900

128.6434, 111.2590, 243.2032

6.8673, 4.1619, 25.6407

5.9261, 3.0780, 25.4812

5.3039, 2.3887, 25.3810

4.9496, 1.9962, 25.3239

6.8673, 4.1619, 25.6407

8.1638, 5.6882, 25.8671

9.8457, 7.6976, 26.1663

11.9407, 10.2262, 26.5439

14.4739, 13.3067, 27.0050

17.4681, 16.9692, 27.5542

20.9448, 21.2415, 28.1956

24.9239, 26.1497, 28.9332

29.4244, 31.7183, 29.7708

34.4642, 37.9705, 30.7120

Harmonies

Analogous

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

4.1785, 4.1619, 32.5525

6.8673, 4.1619, 25.6407

9.3317, 4.1619, 13.1090

Triad

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

6.8673, 4.1619, 25.6407

6.3347, 4.1619, 0.0000

0.9807, 4.1619, 5.1870

Complementary

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

6.8673, 4.1619, 25.6407

19.5969, 24.1959, 5.7351

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.

1.1834, 4.1619, 0.8583

6.8673, 4.1619, 25.6407

3.7411, 4.1619, 0.0000

Square

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

6.8673, 4.1619, 25.6407

8.9496, 4.1619, 0.4717

2.0113, 4.1619, 0.0000

1.2839, 4.1619, 15.4364

Rectangle

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

6.8673, 4.1619, 25.6407

10.1572, 4.1619, 6.2994

2.0113, 4.1619, 0.0000

0.9922, 4.1619, 3.1300

Sweetspot

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

6.8675, 4.1620, 25.6408

30.9785, 30.0163, 49.2889

14.2934, 19.5370, 28.2171

6.6176, 6.3348, 10.9534

67.5393, 71.0566, 77.3807

10.1266, 10.6539, 11.6021

Same Dimension

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

6.8675, 4.1620, 25.6408

9.8908, 4.7046, 45.5147

10.6017, 6.0870, 25.8156

5.1672, 5.2744, 6.7745

4.5194, 1.8234, 23.0908

0.0496, 0.0207, 0.2211

Inverse Universe

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

16.0106, 8.9418, 23.0698

27.4365, 13.8941, 39.8158

13.6111, 21.1101, 5.4550

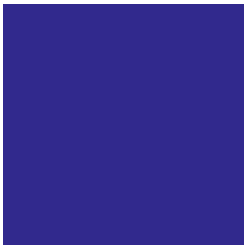
5.6079, 5.5037, 6.6991

13.6747, 6.6269, 19.7362

0.1343, 0.0648, 0.2075

Previews

White Background

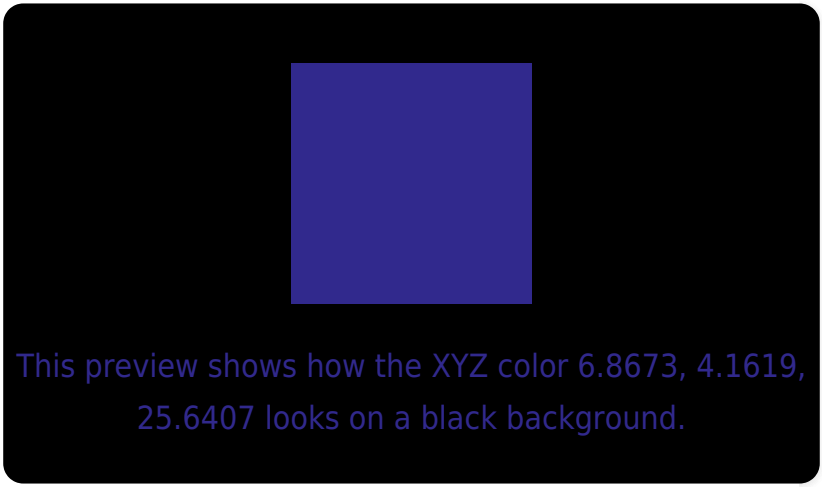


This preview shows how the XYZ color 6.8673, 4.1619, 25.6407 looks on a white background.

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

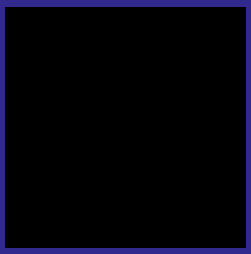


Color Contrast Check

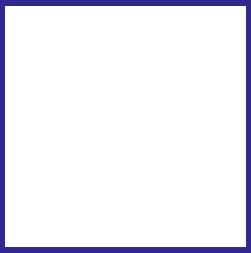
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

XYZ 6.8673, 4.1619, 25.6407 Background



This preview shows how black text looks on a background with the XYZ color 6.8673, 4.1619, 25.6407.



This preview shows how white text looks on a background with the XYZ color 6.8673, 4.1619,

25.6407.

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
6.8673, 4.1619, 25.6407

Protanopia
4.6842, 4.1364, 17.6911

Deuteranopia
3.9129, 4.0675, 12.8908

Tritanopia
2.9076, 4.0965, 6.2677

Trichromacy

Original Color
6.8673, 4.1619, 25.6407

Protanomaly
5.1992, 4.0026, 20.2372

Deuteranomaly
4.6298, 3.8455, 17.0212

Tritanomaly
3.7292, 3.7832, 11.3601

Monochromacy

Original Color
6.8673, 4.1619, 25.6407

Achromatopsia
3.6313, 3.8204, 4.1605

Achromatomaly
4.2885, 3.7100, 9.2942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8673, 4.1619, 25.6407 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(49, 41, 141) looks like.

```
.text, #text, p{
    color:rgb(49, 41, 141)
}
```

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(49, 41, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 41, 141) }
```

Border

The CSS property to change the border of an element to XYZ 6.8673, 4.1619, 25.6407 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(49, 41, 141) }
```

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

```
.border{ border-color:rgb(49, 41, 141) }
```

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

Here you see how a box with a 4 pixel rgb(49, 41, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(49, 41, 141); -webkit-box-shadow:4px 4px 4px 4px rgb(49, 41, 141); box-shadow:4px 4px 4px 4px rgb(49, 41, 141) }
```

Background

The CSS property to change the background color of an element to XYZ 6.8673, 4.1619, 25.6407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(49, 41, 141) }
```

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

```
.background{ background-color:rgb(49, 41,
141) }
```

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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