

Converting Colors

XYZ(20.0291, 16.3957, 48.8511)

Have a look what the booklet for
XYZ(20.0291, 16.3957, 48.8511)
contains.

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Color

**XYZ(20.0277, 16.3418,
49.1124)**

Conversions

Conversions Part 1

Format	Color
Hex	6D66BB
RGB	109, 102, 187
RGB Percent	43%, 40%, 73%
CMY	0.5725, 0.6000, 0.2667
CMYK	0.42, 0.45, 0.00, 0.27
HSL	245°, 38%, 57%
HSV	245°, 45%, 73%
XYZ	20.0277, 16.3418, 49.1124
YIQ	113.7830, -23.1130, 27.9190

Conversions

Conversions Part 2

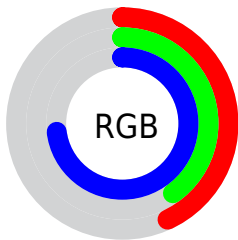
Format	Color
R _Y B	109, 102, 187
Decimal	7169723
CIE Lab	47.42, 24.17, -44.04
CIE LCh	47, 50.235, 298.762
Yxy	16.3418, 0.2343, 0.1912
Android (android.graphics.Color)	4285359803 (0xFF6D66BB)
YUV	113.7830, 36.0960, -4.1947
Hunter-Lab	40.4250, 17.6903, -43.7340

Details

The XYZ color **20.0277, 16.3418, 49.1124** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **38.9908, 46.2033, 19.4339**, and the grayscale version is **15.8302, 16.6546, 18.1369**.

A 20% lighter version of the original color is **43.0302, 37.2066, 90.5016**, and **7.1754, 5.2381, 22.8232** is the 20% darker color. If you saturate the color by 10%, you get **16.4842, 12.0879, 48.4784**, and if you desaturate by 10%, it is **24.3991, 21.6383, 49.9046**.

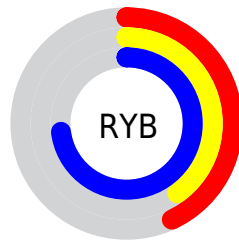
Distribution



Red (43%)

Green (40%)

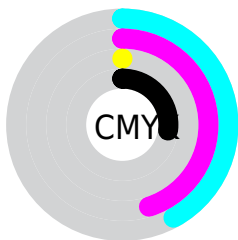
Blue (73%)



Red (43%)

Yellow (40%)

Blue (73%)

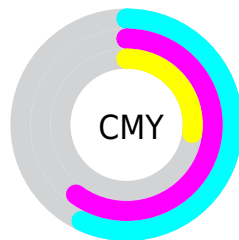


Cyan (42%)

Magenta (45%)

Yellow (0%)

Black (27%)



Cyan (57%)

Magenta (60%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0277, 16.3418, 49.1124 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 20.0277, 16.3418, 49.1124 by changing the saturation by 10% instead.

■ 20.0277, 16.3418,
49.1124

■ 20.0277, 16.3418,
49.1124

244.8957,
231.3502, 399.8198

■ 12.5236, 9.7663,
34.3424

■ 42.9672, 37.1906,
90.2411

■ 7.1760, 5.2443,
22.8773

■ 59.1333, 52.2327,
117.4369

■ 3.6197, 2.3913,
14.2985

■ 78.9174, 70.8658,
149.6117

■ 1.4893, 0.8214,
8.1874

■ 102.6849, 93.4743,
187.1840

■ 0.3186, 0.0000,
4.1256

130.8011,
120.4426, 230.5725

■ 0.0000, 0.0000,
1.6945

163.6314,

■ 0.0000, 0.0000,

152.1551, 280.1956

0.3570

201.5412,
188.9962, 336.4718

■ 0.0000, 0.0000,
0.0000

■ 20.0277, 16.3418,
49.1124

■ 20.0277, 16.3418,
49.1124

■ 16.4842, 12.0879,
48.4784

■ 24.3991, 21.6383,
49.9046

■ 13.7142, 8.8060,
47.9909

■ 29.6443, 28.0382,
50.8635

■ 11.6603, 6.4195,
47.6385

■ 35.8078, 35.5997,
51.9982

■ 10.2556, 4.8395,
47.4076

■ 42.9308, 44.3766,
53.3169

■ 9.4201, 3.9570,
47.2813

■ 51.0519, 54.4191,
54.8272

■ 9.1734, 3.6929,
47.2433

■ 60.2076, 65.7746,
56.5365

■ 70.4325, 78.4881,
58.4515

■ 81.7597, 92.6026,
60.5789

■ 85.9697, 96.3679,
61.0838

Harmonies

Analogous

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



15.3481, 16.3418, 55.2973



20.0277, 16.3418, 49.1124



24.0646, 16.3418, 33.7823

Triad

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



20.0277, 16.3418, 49.1124



20.4098, 16.3418, 3.9832



8.4479, 16.3418, 17.2687

Complementary

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



20.0277, 16.3418, 49.1124



38.9908, 46.2033, 19.4339

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.



9.3010, 16.3418, 7.8648



20.0277, 16.3418, 49.1124



15.7182, 16.3418, 2.8126

Square

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



20.0277, 16.3418, 49.1124



24.3132, 16.3418, 8.4096



11.7657, 16.3418, 3.7910



9.1701, 16.3418, 32.3942

Rectangle

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



20.0277, 16.3418, 49.1124



25.5360, 16.3418, 23.0137



11.7657, 16.3418, 3.7910



8.5564, 16.3418, 13.4291

Sweetspot

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



20.0284, 16.3424, 49.1128



65.6031, 65.5690, 93.3998



31.0412, 39.5965, 53.0209



13.8778, 13.7395, 20.4631



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.0284, 16.3424, 49.1128



29.2787, 21.3580, 86.7808



26.3298, 19.5909, 49.4077



9.0874, 9.2619, 11.9810



6.3465, 2.5578, 32.5521



0.2736, 0.1131, 1.2763

Inverse Universe

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



33.4832, 23.3631, 45.9240



56.6364, 35.6465, 79.6999



30.7886, 41.9749, 19.0500



9.8951, 9.6824, 11.8368



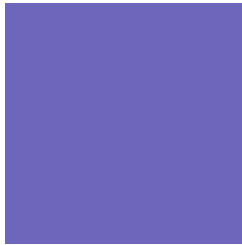
19.2369, 9.3259, 27.6050



0.7637, 0.3694, 1.1346

Previews

White Background



This preview shows how the XYZ color 20.0277, 16.3418, 49.1124 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 × Fail

Black Background



This preview shows how the XYZ color 20.0277, 16.3418, 49.1124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

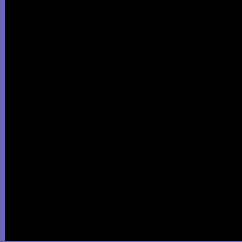
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0277, 16.3418, 49.1124

Background



This preview shows how black text looks on a background with the XYZ color 20.0277, 16.3418, 49.1124.



This preview shows how white text looks on a background with the XYZ color 20.0277, 16.3418,

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

20.0277, 16.3418, 49.1124

Protanopia

18.2152, 16.5428, 53.2720

Deuteranopia

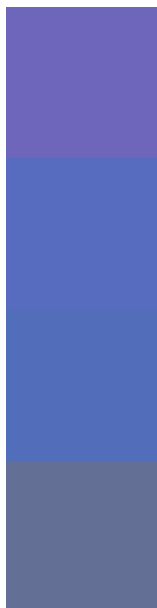
16.9768, 16.5063, 48.1902



Tritanopia

14.5632, 16.3511, 21.7906

Trichromacy



Original Color

20.0277, 16.3418, 49.1124

Protanomaly

18.5921, 16.3032, 51.4571

Deuteranomaly

17.8112, 16.2763, 48.6573

Tritanomaly

16.1753, 16.1596, 30.2836

Monochromacy



Original Color

20.0277, 16.3418, 49.1124

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.0657, 16.5197, 27.4885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0277, 16.3418, 49.1124 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(109, 102, 187)` looks like.

```
.text, #text, p{  
    color:rgb(109, 102, 187)  
}
```

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(109, 102, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 102, 187) }
```

Border

The CSS property to change the border of an element to XYZ 20.0277, 16.3418, 49.1124 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(109, 102, 187) }
```


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

```
.border{ border-color:rgb(109, 102, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 102, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 102, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 102, 187);  
box-shadow:4px 4px 4px 4px rgb(109, 102,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0277, 16.3418, 49.1124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 102, 187) }
```

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

```
.background{ background-color: rgb(109,  
102, 187) }
```

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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