

Converting Colors

XYZ(23.4843, 18.5004, 69.5581)

Have a look what the booklet for
XYZ(23.4843, 18.5004, 69.5581)
contains.

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Color

**XYZ(23.4107, 18.3966,
69.3348)**

Conversions

Conversions Part 1

Format	Color
Hex	656BDB
RGB	101, 107, 219
RGB Percent	40%, 42%, 86%
CMY	0.6039, 0.5804, 0.1412
CMYK	0.54, 0.51, 0.00, 0.14
HSL	237°, 62%, 63%
HSV	237°, 54%, 86%
XYZ	23.4107, 18.3966, 69.3348
YIQ	117.9740, -39.5280, 33.5600

Conversions

Conversions Part 2

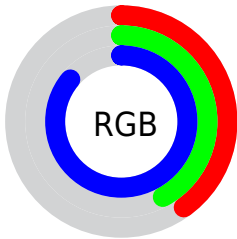
Format	Color
RYB	101, 107, 219
Decimal	6646747
CIELab	49.97, 29.05, -58.32
CIElCh	50, 65.154, 296.481
Yxy	18.3966, 0.2106, 0.1655
Android (android.graphics.Color)	4284836827 (0xFF656BDB)
YUV	117.9740, 49.8058, -14.8862
Hunter-Lab	42.8913, 22.3683, -65.8199

Details

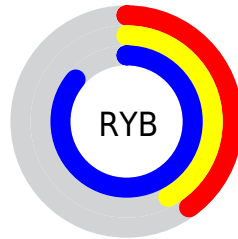
The XYZ color **23.4107, 18.3966, 69.3348** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **55.3582, 63.5907, 21.6699**, and the grayscale version is **17.0706, 17.9596, 19.5580**.

A 20% lighter version of the original color is **44.5749, 39.0446, 99.7948**, and **8.9199, 6.2334, 35.3834** is the 20% darker color. If you saturate the color by 10%, you get **19.3644, 13.4711, 68.5978**, and if you desaturate by 10%, it is **28.6327, 24.7017, 70.2770**.

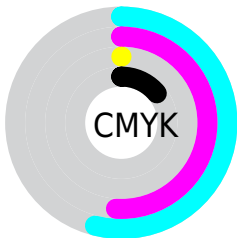
Distribution



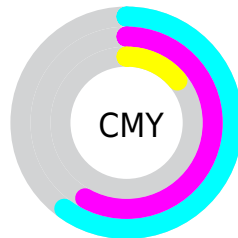
- Red (40%)
- Green (42%)
- Blue (86%)



- Red (40%)
- Yellow (42%)
- Blue (86%)



- Cyan (54%)
- Magenta (51%)
- Yellow (0%)
- Black (14%)



- Cyan (60%)
- Magenta (58%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4107, 18.3966, 69.3348 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 23.4107, 18.3966, 69.3348 by changing the saturation by 10% instead.

■ 23.4107, 18.3966,
69.3348

■ 23.4107, 18.3966,
69.3348

262.3236,
243.0971, 476.9368

■ 15.0194, 11.2351,
50.5110

■ 48.5285, 40.7120,
119.9318

■ 8.9194, 6.2252,
35.4455

■ 65.9858, 56.6346,
152.5421

■ 4.7453, 2.9825,
23.7200

■ 87.1958, 76.2465,
190.5850

■ 2.1318, 1.1226,
14.9158

■ 112.5238, 99.9319,
234.4790

■ 0.7064, 0.0000,
8.6143

142.3352,
128.0752, 284.6426

■ 0.0000, 0.0000,
4.3971

176.9954,

■ 0.0000, 0.0000,

161.0610, 341.4944

1.8456

216.8698,
199.2734, 405.4530

■ 0.0000, 0.0000,
0.4578

■ 0.0000, 0.0000,
0.0000

■ 23.4107, 18.3966,
69.3348

■ 23.4107, 18.3966,
69.3348

■ 19.3644, 13.4711,
68.5978

■ 28.6327, 24.7017,
70.2770

■ 16.4002, 9.8202,
68.0493

■ 35.1095, 32.4775,
71.4365

■ 14.4145, 7.3266,
67.6726

■ 42.9161, 41.8091,
72.8262

■ 13.2819, 5.8504,
67.4474

■ 52.1208, 52.7749,
74.4577

■ 12.9074, 5.3568,
67.3719

■ 62.7875, 65.4479,
76.3416

■ 74.9760, 79.8966,
78.4881

■ 88.7427, 96.1858,
80.9067

■ 89.7863, 97.8945,
81.1815

Harmonies

Analogous

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



16.7581, 18.3966, 77.7707



23.4107, 18.3966, 69.3348



29.5412, 18.3966, 45.6840

Triad

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



23.4107, 18.3966, 69.3348



24.9973, 18.3966, 2.8567



8.0237, 18.3966, 17.9916

Complementary

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



23.4107, 18.3966, 69.3348



55.3582, 63.5907, 21.6699

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.



9.2576, 18.3966, 6.4016



23.4107, 18.3966, 69.3348



18.2335, 18.3966, 1.5736

Square

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



23.4107, 18.3966, 69.3348



30.6000, 18.3966, 8.2689



12.6552, 18.3966, 2.3179



8.7831, 18.3966, 39.6327

Rectangle

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



23.4107, 18.3966, 69.3348



31.9675, 18.3966, 29.2025



12.6552, 18.3966, 2.3179



8.2097, 18.3966, 13.0138

Sweetspot

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



23.4115, 18.3972, 69.3353



70.4659, 70.7981, 104.5592



42.4738, 58.1402, 70.6998



14.4900, 14.4480, 22.2750



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.



23.4115, 18.3972, 69.3353



26.5310, 18.0304, 96.6896



30.4149, 21.1115, 69.4901



12.3915, 12.7228, 16.4548



7.6772, 3.2239, 39.9560



0.5165, 0.2471, 2.5949

Inverse Universe

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



36.5217, 25.4301, 16.8939



47.0224, 29.3221, 14.6557



43.8015, 59.9135, 21.5692



13.0827, 13.0622, 13.6969



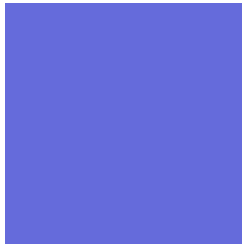
17.3704, 8.9492, 1.0649



1.1350, 0.5836, 0.1198

Previews

White Background



This preview shows how the XYZ color 23.4107, 18.3966, 69.3348 looks on a white background.

Color Contrast Check

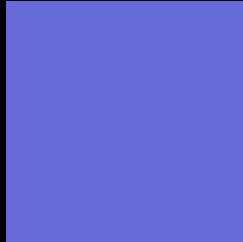
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4107, 18.3966, 69.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

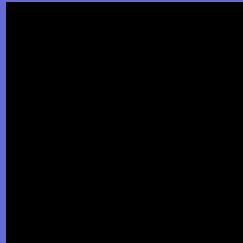
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4107, 18.3966, 69.3348

Background



This preview shows how black text looks on a background with the XYZ color 23.4107, 18.3966, 69.3348.



This preview shows how white text looks on a background with the XYZ color 23.4107, 18.3966,

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

23.4107, 18.3966, 69.3348

Protanopia

21.5172, 18.5918, 75.1275

Deuteranopia

18.9750, 18.5298, 66.1948



Tritanopia

14.7772, 18.3626, 26.4324

Trichromacy



Original Color

23.4107, 18.3966, 69.3348

Protanomaly

21.8472, 18.3098, 72.9037

Deuteranomaly

19.4030, 17.8420, 67.3869

Tritanomaly

17.2588, 18.0620, 39.1359

Monochromacy



Original Color

23.4107, 18.3966, 69.3348

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.6158, 17.8459, 33.4738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4107, 18.3966, 69.3348 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(101, 107, 219)` looks like.

```
.text, #text, p{  
    color:rgb(101, 107, 219)  
}
```

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(101, 107, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 107, 219) }
```

Border

The CSS property to change the border of an element to XYZ 23.4107, 18.3966, 69.3348 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(101, 107, 219) }
```


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

```
.border{ border-color:rgb(101, 107, 219) }
```

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

Here you see how a box with a 4 pixel rgb(101, 107, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 107, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 107, 219);  
box-shadow:4px 4px 4px 4px rgb(101, 107,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4107, 18.3966, 69.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 107, 219) }
```

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

```
.background{ background-color: rgb(101,  
107, 219) }
```

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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