

Converting Colors

XYZ(23.9312, 18.9166, 68.9977)

Have a look what the booklet for
XYZ(23.9312, 18.9166, 68.9977)
contains.

XYZ(23.9492, 19.0025, 68.7353)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9492, 19.0025,
68.7353)**

Conversions

Conversions Part 1

Format	Color
Hex	696DDA
RGB	105, 109, 218
RGB Percent	41%, 43%, 85%
CMY	0.5882, 0.5725, 0.1451
CMYK	0.52, 0.50, 0.00, 0.15
HSL	238°, 60%, 63%
HSV	238°, 52%, 85%
XYZ	23.9492, 19.0025, 68.7353
YIQ	120.2300, -37.3730, 33.0510

Conversions

Conversions Part 2

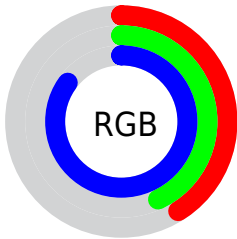
Format	Color
R _Y B	105, 109, 218
Decimal	6909402
CIE Lab	50.69, 28.35, -56.59
CIE LCh	51, 63.289, 296.611
Yxy	19.0025, 0.2144, 0.1701
Android (android.graphics.Color)	4285099482 (0xFF696DDA)
YUV	120.2300, 48.2006, -13.3567
Hunter-Lab	43.5919, 21.7815, -62.9737

Details

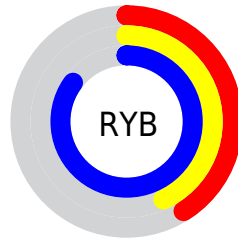
The XYZ color **23.9492, 19.0025, 68.7353** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **55.5113, 64.0208, 22.7974**, and the grayscale version is **17.7861, 18.7123, 20.3777**.

A 20% lighter version of the original color is **45.7251, 40.1481, 99.9471**, and **9.1991, 6.5461, 34.9611** is the 20% darker color. If you saturate the color by 10%, you get **19.7278, 13.8852, 67.9705**, and if you desaturate by 10%, it is **29.3650, 25.5324, 69.7107**.

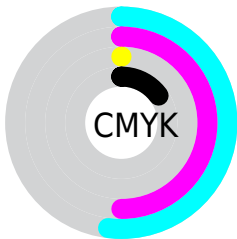
Distribution



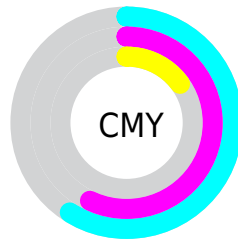
- Red (41%)
- Green (43%)
- Blue (85%)



- Red (41%)
- Yellow (43%)
- Blue (85%)



- Cyan (52%)
- Magenta (50%)
- Yellow (0%)
- Black (15%)



- Cyan (59%)
- Magenta (57%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9492, 19.0025, 68.7353 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 23.9492, 19.0025, 68.7353 by changing the saturation by 10% instead.

■ 23.9492, 19.0025,
68.7353

■ 23.9492, 19.0025,
68.7353

265.0088,
246.4626, 474.7655

■ 15.4205, 11.6721,
50.0257

■ 49.4026, 41.7383,
119.0676

■ 9.2032, 6.5208,
35.0625

■ 67.0579, 57.9125,
151.5274

■ 4.9322, 3.1643,
23.4271

■ 88.4862, 77.8034,
189.4077

■ 2.2419, 1.2181,
14.7009

■ 114.0527,
101.7955, 233.1270

■ 0.7647, 0.0764,
8.4655

144.1229,
130.2730, 283.1039

■ 0.0000, 0.0000,
4.3022

179.0621,

■ 0.0000, 0.0000,

163.6204, 339.7569

1.7926

219.2356,
202.2221, 403.5046

■ 0.0000, 0.0000,
0.4230

■ 0.0000, 0.0000,
0.0000

■ 23.9492, 19.0025,
68.7353

■ 23.9492, 19.0025,
68.7353

■ 19.7278, 13.8852,
67.9705

■ 29.3650, 25.5324,
69.7107

■ 16.6082, 10.0746,
67.3994

■ 36.0536, 33.5668,
70.9089

■ 14.4884, 7.4525,
67.0050

■ 44.0896, 43.1920,
72.3432

■ 13.2460, 5.8791,
66.7668

■ 53.5411, 54.4871,
74.0253

■ 12.7387, 5.2294,
66.6681

■ 64.4717, 67.5262,
75.9660

■ 76.9410, 82.3788,
78.1756

■ 89.6550, 97.8420,
80.4902

Harmonies

Analogous

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



17.3652, 19.0025, 76.9684



23.9492, 19.0025, 68.7353



29.9652, 19.0025, 45.7632

Triad

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



23.9492, 19.0025, 68.7353



25.4541, 19.0025, 3.2657



8.5781, 19.0025, 18.7356

Complementary

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



23.9492, 19.0025, 68.7353



55.5113, 64.0208, 22.7974

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.



9.8195, 19.0025, 7.0086



23.9492, 19.0025, 68.7353



18.7758, 19.0025, 1.8922

Square

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



23.9492, 19.0025, 68.7353



30.9646, 19.0025, 8.8499



13.2274, 19.0025, 2.7106



9.3572, 19.0025, 40.0773

Rectangle

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



23.9492, 19.0025, 68.7353



32.3298, 19.0025, 29.6534



13.2274, 19.0025, 2.7106



8.7642, 19.0025, 13.7444

Sweetspot

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



23.9500, 19.0031, 68.7358



70.3045, 70.4753, 104.5054



42.8258, 57.9179, 71.4418



14.4522, 14.3724, 22.2624



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.



23.9500, 19.0031, 68.7358



27.7690, 19.3556, 96.8802



31.3889, 22.2194, 68.9645



12.3754, 12.6906, 16.4494



7.6482, 3.1658, 39.9464



0.5088, 0.2317, 2.5924

Inverse Universe

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



36.7261, 26.1138, 17.5732



47.9282, 30.7600, 16.1098



43.5902, 59.3953, 22.5329



13.0746, 13.0589, 13.6542



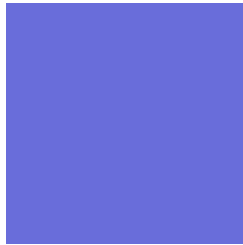
17.3558, 8.9433, 0.9876



1.1311, 0.5821, 0.0994

Previews

White Background



This preview shows how the XYZ color 23.9492, 19.0025, 68.7353 looks on a white background.

Color Contrast Check

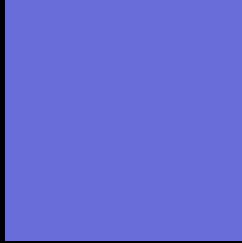
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9492, 19.0025, 68.7353 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 23.9492, 19.0025, 68.7353

Background



This preview shows how black text looks on a background with the XYZ color 23.9492, 19.0025, 68.7353.



This preview shows how white text looks on a background with the XYZ color 23.9492, 19.0025,

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

23.9492, 19.0025, 68.7353

Protanopia

22.0754, 19.2377, 74.5013

Deuteranopia

19.7042, 19.0722, 66.9328



Tritanopia

15.5311, 18.9356, 26.8811

Trichromacy



Original Color

23.9492, 19.0025, 68.7353

Protanomaly

22.4785, 18.9820, 72.2912

Deuteranomaly

20.3868, 18.5212, 67.4662

Tritanomaly

17.8369, 18.5395, 39.1976

Monochromacy



Original Color

23.9492, 19.0025, 68.7353

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.3164, 18.5359, 34.0122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9492, 19.0025, 68.7353 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(105, 109, 218)` looks like.

```
.text, #text, p{  
    color:rgb(105, 109, 218)  
}
```

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(105, 109, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 109, 218) }
```

Border

The CSS property to change the border of an element to XYZ 23.9492, 19.0025, 68.7353 is called "border". The border property can be set on classes, ids or directly on the HTML element.

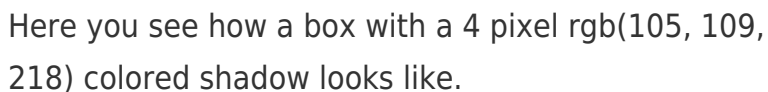
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 109, 218) }
```


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

```
.border{ border-color:rgb(105, 109, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 109, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 109, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 109, 218);  
box-shadow:4px 4px 4px 4px rgb(105, 109,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9492, 19.0025, 68.7353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 109, 218) }
```

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

```
.background{ background-color: rgb(105,  
109, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor