

Converting Colors

XYZ(23.1381, 18.1522, 65.6276)

Have a look what the booklet for
XYZ(23.1381, 18.1522, 65.6276)
contains.

XYZ(23.2355, 18.2273, 65.9119)	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(23.2355, 18.2273,
65.9119)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6AD6
RGB	106, 106, 214
RGB Percent	42%, 42%, 84%
CMY	0.5843, 0.5843, 0.1608
CMYK	0.50, 0.50, 0.00, 0.16
HSL	240°, 57%, 63%
HSV	240°, 50%, 84%
XYZ	23.2355, 18.2273, 65.9119
YIQ	118.3120, -34.6680, 33.5880

Conversions

Conversions Part 2

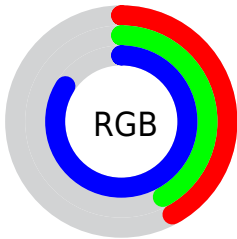
Format	Color
R _Y B	106, 106, 214
Decimal	6974166
CIE Lab	49.77, 29.14, -55.79
CIE LCh	50, 62.942, 297.582
Yxy	18.2273, 0.2164, 0.1698
Android (android.graphics.Color)	4285164246 (0xFF6A6AD6)
YUV	118.3120, 47.1742, -10.7976
Hunter-Lab	42.6934, 22.4334, -61.6489

Details

The XYZ color **23.2355, 18.2273, 65.9119** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **54.3790, 63.4297, 23.0131**, and the grayscale version is **17.1829, 18.0777, 19.6866**.

A 20% lighter version of the original color is **45.2112, 39.1205, 99.7759**, and **8.8177, 6.1544, 33.0709** is the 20% darker color. If you saturate the color by 10%, you get **19.0655, 13.2024, 65.1622**, and if you desaturate by 10%, it is **28.5917, 24.6808, 66.8756**.

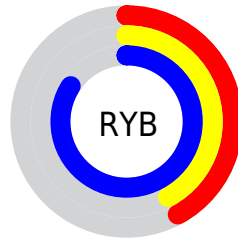
Distribution



Red (42%)

Green (42%)

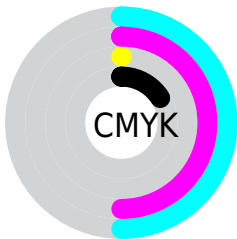
Blue (84%)



Red (42%)

Yellow (42%)

Blue (84%)

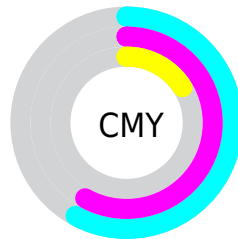


Cyan (50%)

Magenta (50%)

Yellow (0%)

Black (16%)



Cyan (58%)

Magenta (58%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2355, 18.2273, 65.9119 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 23.2355, 18.2273, 65.9119 by changing the saturation by 10% instead.

■ 23.2355, 18.2273,
65.9119

■ 23.2355, 18.2273,
65.9119

261.4451,
242.1491, 464.4574

■ 14.8891, 11.1133,
47.7449

■ 48.2435, 40.4243,
114.9857

■ 8.8274, 6.1431,
33.2663

■ 65.6359, 56.2760,
146.7295

■ 4.6850, 2.9323,
22.0578

■ 86.7744, 75.8091,
183.8360

■ 2.0965, 1.0965,
13.7006

■ 112.0243, 99.4080,
226.7237

■ 0.6873, 0.0000,
7.7764

141.7509,
127.4571, 275.8111

■ 0.0000, 0.0000,
3.8665

176.3197,

■ 0.0000, 0.0000,

160.3407, 331.5168

1.5524

216.0960,
198.4432, 394.2594

■ 0.0000, 0.0000,
0.2565

■ 0.0000, 0.0000,
0.0000

■ 23.2355, 18.2273,
65.9119

■ 23.2355, 18.2273,
65.9119

■ 19.0655, 13.2024,
65.1622

■ 28.5917, 24.6808,
66.8756

■ 15.9894, 9.4960,
64.6089

■ 35.2124, 32.6583,
68.0665

■ 13.9056, 6.9851,
64.2341

■ 43.1717, 42.2488,
69.4982

■ 12.6918, 5.5227,
64.0158

■ 52.5376, 53.5342,
71.1828

■ 12.1378, 4.8551,
63.9161

■ 63.3734, 66.5908,
73.1319

■ 75.7385, 81.4901,
75.3560

■ 89.1377, 97.6351,
77.7661

Harmonies

Analogous

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



16.8423, 18.2273, 74.5599



23.2355, 18.2273, 65.9119



29.0052, 18.2273, 43.3574

Triad

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



23.2355, 18.2273, 65.9119



24.2761, 18.2273, 2.9789



8.1638, 18.2273, 18.4847

Complementary

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



23.2355, 18.2273, 65.9119



54.3790, 63.4297, 23.0131

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.



9.2951, 18.2273, 6.8788



23.2355, 18.2273, 65.9119



17.8159, 18.2273, 1.7541

Square

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



23.2355, 18.2273, 65.9119



29.6970, 18.2273, 8.1404



12.5120, 18.2273, 2.6022



8.9774, 18.2273, 39.4176

Rectangle

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



23.2355, 18.2273, 65.9119



31.2139, 18.2273, 27.8349



12.5120, 18.2273, 2.6022



8.3221, 18.2273, 13.5544

Sweetspot

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



23.2363, 18.2279, 65.9124



71.3399, 71.4305, 104.6352



42.1284, 56.0128, 72.2099



14.6424, 14.5332, 22.2834



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.



23.2363, 18.2279, 65.9124



27.7501, 18.9076, 96.7947



31.7892, 22.6371, 66.3126



11.7427, 12.0088, 15.6365



7.3365, 2.9346, 38.6329



0.4425, 0.1770, 2.3302

Inverse Universe

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



45.0231, 29.4595, 66.9296



63.7938, 37.4889, 98.4771



41.1457, 56.6077, 22.3938



12.9531, 12.6327, 15.6931



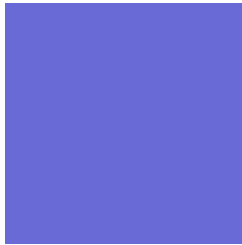
24.0978, 11.5754, 39.4145



1.4535, 0.6982, 2.3773

Previews

White Background



This preview shows how the XYZ color 23.2355, 18.2273, 65.9119 looks on a white background.

Color Contrast Check

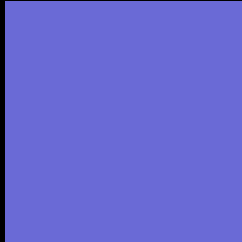
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2355, 18.2273, 65.9119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

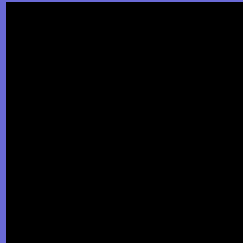
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2355, 18.2273, 65.9119

Background



This preview shows how black text looks on a background with the XYZ color 23.2355, 18.2273, 65.9119.



This preview shows how white text looks on a background with the XYZ color 23.2355, 18.2273,

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

23.2355, 18.2273, 65.9119

Protanopia

21.1402, 18.2921, 72.2286

Deuteranopia

18.9532, 18.3830, 64.1773



Tritanopia

15.1001, 18.1658, 25.6322

Trichromacy



Original Color

23.2355, 18.2273, 65.9119

Protanomaly

21.5832, 18.0727, 70.0610

Deuteranomaly

19.6453, 17.8557, 64.6984

Tritanomaly

17.3957, 17.8109, 37.6429

Monochromacy



Original Color

23.2355, 18.2273, 65.9119

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.7065, 17.9119, 32.6084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2355, 18.2273, 65.9119 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(106, 106, 214)` looks like.

```
.text, #text, p{  
    color:rgb(106, 106, 214)  
}
```

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(106, 106, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 106, 214) }
```

Border

The CSS property to change the border of an element to XYZ 23.2355, 18.2273, 65.9119 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(106, 106, 214) }
```


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

```
.border{ border-color:rgb(106, 106, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 106, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 106, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 106, 214);  
box-shadow:4px 4px 4px 4px rgb(106, 106,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2355, 18.2273, 65.9119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 106, 214) }
```

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

```
.background{ background-color: rgb(106,  
106, 214) }
```

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