

Converting Colors

XYZ(23.6371, 13.5725, 68.9742)

Have a look what the booklet for
XYZ(23.6371, 13.5725, 68.9742)
contains.

XYZ(23.6189, 13.5758, 69.0857)	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(23.6189, 13.5758,
69.0857)**

Conversions

Conversions Part 1

Format	Color
Hex	7F42DC
RGB	127, 66, 220
RGB Percent	50%, 26%, 86%
CMY	0.5019, 0.7412, 0.1373
CMYK	0.42, 0.70, 0.00, 0.14
HSL	264°, 69%, 56%
HSV	264°, 70%, 86%
XYZ	23.6189, 13.5758, 69.0857
YIQ	101.7950, -13.0780, 60.8260

Conversions

Conversions Part 2

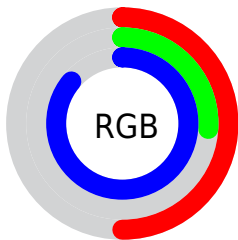
Format	Color
R_{YB}	127, 66, 220
Decimal	8340188
CIE _{Lab}	43.62, 57.37, -69.07
CIE _{LCh}	44, 89.789, 309.715
Yxy	13.5758, 0.2222, 0.1277
Android (android.graphics.Color)	4286530268 (0xFF7F42DC)
YUV	101.7950, 58.2751, 22.1048
Hunter-Lab	36.8454, 49.9441, -85.3781

Details

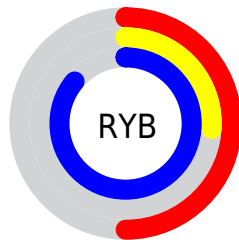
The XYZ color **23.6189, 13.5758, 69.0857** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **40.8743, 58.9507, 14.3787**, and the grayscale version is **12.4320, 13.0794, 14.2435**.

A 20% lighter version of the original color is **44.7781, 30.6160, 98.1571**, and **9.0807, 4.0039, 35.4162** is the 20% darker color. If you saturate the color by 10%, you get **20.7220, 10.5273, 68.6503**, and if you desaturate by 10%, it is **27.2722, 17.7476, 69.6987**.

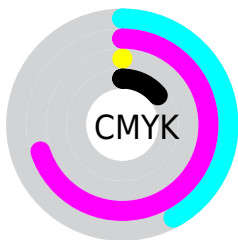
Distribution



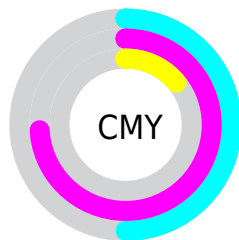
- Red (50%)
- Green (26%)
- Blue (86%)



- Red (50%)
- Yellow (26%)
- Blue (86%)



- Cyan (42%)
- Magenta (70%)
- Yellow (0%)
- Black (14%)



- Cyan (50%)
- Magenta (74%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6189, 13.5758, 69.0857 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 23.6189, 13.5758, 69.0857 by changing the saturation by 10% instead.

■ 23.6189, 13.5758,
69.0857

■ 23.6189, 13.5758,
69.0857

263.3644,
214.5756, 476.0353

■ 15.1744, 7.8262,
50.3093

■ 48.8668, 32.3344,
119.5728

■ 9.0290, 3.9840,
35.2863

■ 66.4009, 46.1123,
152.1207

■ 4.8173, 1.6646,
23.5982

■ 87.6955, 63.3350,
190.0960

■ 2.1741, 0.4006,
14.8264

■ 113.1160, 84.3870,
233.9175

■ 0.7291, 0.0000,
8.5524

■ 143.0279,
109.6527, 284.0037

■ 0.0000, 0.0000,
4.3576

177.7963,

■ 0.0000, 0.0000,

139.5164, 340.7730

1.8235

217.7867,
174.3626, 404.6440

■ 0.0000, 0.0000,
0.4434

■ 0.0000, 0.0000,
0.0000

■ 23.6189, 13.5758,
69.0857

■ 23.6189, 13.5758,
69.0857

■ 20.7220, 10.5273,
68.6503

■ 27.2722, 17.7476,
69.6987

■ 18.5089, 8.4753,
68.3708

■ 31.7400, 23.1478,
70.5056

■ 16.8627, 7.2007,
68.2116

■ 37.0765, 29.8704,
71.5219

■ 16.8626, 7.2007,
68.2116

■ 43.3303, 37.9997,
72.7614

■ 50.5461, 47.6126,
74.2366

■ 58.7655, 58.7806,
75.9590

■ 68.0274, 71.5702,
77.9395

■ 78.3687, 86.0443,
80.1882

■ 86.8852, 96.3837,
81.7350

Harmonies

Analogous

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



15.3230, 13.5758, 95.2707



23.6189, 13.5758, 69.0857



30.2023, 13.5758, 32.6890

Triad

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



23.6189, 13.5758, 69.0857



18.1836, 13.5758, 0.0000



3.6360, 13.5758, 22.3291

Complementary

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



23.6189, 13.5758, 69.0857



40.8743, 58.9507, 14.3787

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.



3.9203, 13.5758, 5.0086



23.6189, 13.5758, 69.0857



10.7530, 13.5758, 0.0000

Square

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



23.6189, 13.5758, 69.0857



26.3548, 13.5758, 1.2751



6.0469, 13.5758, 0.4289



5.0449, 13.5758, 55.9181

Rectangle

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



23.6189, 13.5758, 69.0857



31.7051, 13.5758, 14.9754



6.0469, 13.5758, 0.4289



3.5534, 13.5758, 14.5897

Sweetspot

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



23.6196, 13.5762, 69.0861



69.3692, 64.8378, 103.4665



27.9043, 31.8039, 72.3785



14.2272, 13.0468, 22.0184



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.



23.6196, 13.5762, 69.0861



27.3887, 13.2011, 95.7123



39.2329, 21.6252, 69.8167



12.8243, 12.8675, 16.4599



10.0138, 4.2865, 40.0380



0.7440, 0.3268, 2.5983

Inverse Universe

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



37.7214, 21.6154, 34.9837



49.2959, 25.7400, 40.4748



30.2300, 53.4633, 13.8806



13.3846, 13.1829, 15.2865



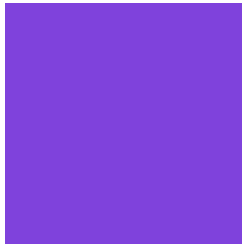
19.8572, 9.9439, 14.1599



1.3285, 0.6610, 1.1386

Previews

White Background



This preview shows how the XYZ color 23.6189, 13.5758, 69.0857 looks on a white background.

Color Contrast Check

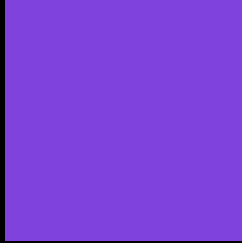
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6189, 13.5758, 69.0857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

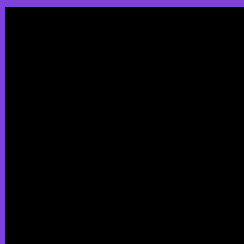
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.6189, 13.5758, 69.0857

Background



This preview shows how black text looks on a background with the XYZ color 23.6189, 13.5758, 69.0857.



This preview shows how white text looks on a background with the XYZ color 23.6189, 13.5758,

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

23.6189, 13.5758, 69.0857

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.5975, 13.6855, 46.1809



Tritanopia

12.9874, 13.4171, 16.9442

Trichromacy



Original Color

23.6189, 13.5758, 69.0857

Protanomaly

16.6725, 12.2523, 65.1045

Deuteranomaly

14.8316, 12.0485, 53.7684

Tritanomaly

15.5887, 12.6941, 30.9068

Monochromacy



Original Color

23.6189, 13.5758, 69.0857

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.2388, 12.5686, 28.4109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6189, 13.5758, 69.0857 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(127, 66, 220)` looks like.

```
.text, #text, p{  
    color:rgb(127, 66, 220)  
}
```

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(127, 66, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 66, 220) }
```

Border

The CSS property to change the border of an element to XYZ 23.6189, 13.5758, 69.0857 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(127, 66, 220) }
```


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

```
.border{ border-color:rgb(127, 66, 220) }
```

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

Here you see how a box with a 4 pixel rgb(127, 66, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 66, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 66, 220);  
box-shadow:4px 4px 4px 4px rgb(127, 66,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6189, 13.5758, 69.0857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 66, 220) }
```

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

```
.background{ background-color: rgb(127, 66,  
220) }
```

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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