

Converting Colors

XYZ(23.1804, 18.5516, 50.8848)

Have a look what the booklet for
XYZ(23.1804, 18.5516, 50.8848)
contains.

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Color

**XYZ(23.2007, 18.5378,
51.0705)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6ABE
RGB	127, 106, 190
RGB Percent	50%, 42%, 75%
CMY	0.5019, 0.5843, 0.2549
CMYK	0.33, 0.44, 0.00, 0.25
HSL	255°, 39%, 58%
HSV	255°, 44%, 75%
XYZ	23.2007, 18.5378, 51.0705
YIQ	121.8550, -14.4480, 30.5760

Conversions

Conversions Part 2

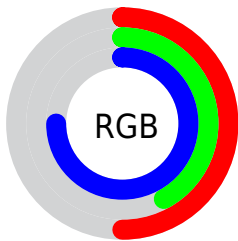
Format	Color
R_{YB}	127, 106, 190
Decimal	8350398
CIE _{Lab}	50.14, 27.39, -41.36
CIE _{LCh}	50, 49.602, 303.513
Yxy	18.5378, 0.2500, 0.1997
Android (android.graphics.Color)	4286540478 (0xFF7F6ABE)
YUV	121.8550, 33.5955, 4.5122
Hunter-Lab	43.0555, 20.8384, -40.1882

Details

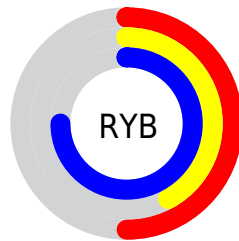
The XYZ color **23.2007, 18.5378, 51.0705** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **37.3773, 46.3028, 20.6036**, and the grayscale version is **18.3494, 19.3050, 21.0231**.

A 20% lighter version of the original color is **48.3068, 41.1142, 93.3855**, and **8.7810, 6.2595, 24.0380** is the 20% darker color. If you saturate the color by 10%, you get **19.4810, 14.0288, 50.3966**, and if you desaturate by 10%, it is **27.6557, 24.0704, 51.9039**.

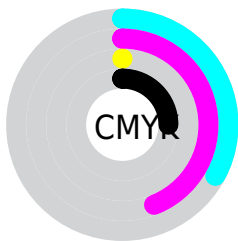
Distribution



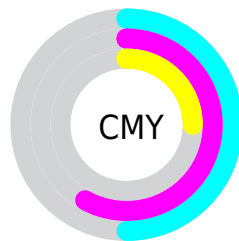
- Red (50%)
- Green (42%)
- Blue (75%)



- Red (50%)
- Yellow (42%)
- Blue (75%)



- Cyan (33%)
- Magenta (44%)
- Yellow (0%)
- Black (25%)



- Cyan (50%)
- Magenta (58%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2007, 18.5378, 51.0705 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 23.2007, 18.5378, 51.0705 by changing the saturation by 10% instead.

■ 23.2007, 18.5378,
51.0705

■ 23.2007, 18.5378,
51.0705

261.2703,
243.8851, 407.6920

■ 14.8633, 11.3368,
35.8876

■ 48.1869, 40.9516,
93.1715

■ 8.8092, 6.2938,
24.0584

■ 65.5664, 56.9332,
120.9268

■ 4.6730, 3.0246,
15.1643

■ 86.6906, 76.6104,
153.7098

■ 2.0895, 1.1446,
8.7869

■ 111.9250,
100.3677, 191.9393

■ 0.6835, 0.0157,
4.5075

141.6347,
128.5894, 236.0337

■ 0.0000, 0.0000,
1.9077

176.1853,

■ 0.0000, 0.0000,

161.6600, 286.4116

0.4976

215.9420,
199.9637, 343.4915

■ 0.0000, 0.0000,
0.0000

■ 23.2007, 18.5378,
51.0705

■ 23.2007, 18.5378,
51.0705

■ 19.4810, 14.0288,
50.3966

■ 27.6557, 24.0704,
51.9039

■ 16.4531, 10.4770,
49.8706

■ 32.8821, 30.6833,
52.9049

■ 14.0716, 7.8111,
49.4815

■ 38.9160, 38.4314,
54.0824

■ 12.2847, 5.9486,
49.2162

■ 45.7904, 47.3652,
55.4445

■ 11.0312, 4.7908,
49.0588

■ 53.5367, 57.5322,
56.9986

■ 10.4899, 4.3341,
48.9992

■ 62.1844, 68.9771,
58.7520

■ 71.7617, 81.7427,
60.7112

■ 81.3303, 93.9387,
62.5609

■ 86.2943, 96.4977,
62.7932

Harmonies

Analogous

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



18.1892, 18.5378, 59.5378



23.2007, 18.5378, 51.0705



27.1992, 18.5378, 34.3571

Triad

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



23.2007, 18.5378, 51.0705



22.0477, 18.5378, 4.5972



9.9421, 18.5378, 21.8419

Complementary

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



23.2007, 18.5378, 51.0705



37.3773, 46.3028, 20.6036

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.



10.6036, 18.5378, 10.5693



23.2007, 18.5378, 51.0705



17.0620, 18.5378, 3.6572

Square

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



23.2007, 18.5378, 51.0705



26.4534, 18.5378, 8.8552



13.0141, 18.5378, 5.2258



11.0104, 18.5378, 38.4985

Rectangle

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



23.2007, 18.5378, 51.0705



28.4279, 18.5378, 23.3086



13.0141, 18.5378, 5.2258



9.9706, 18.5378, 17.3528

Sweetspot

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



23.2014, 18.5385, 51.0709



71.6961, 71.1622, 98.2360



29.4266, 35.1583, 53.9508



15.1707, 14.8862, 21.4590



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.2014, 18.5385, 51.0709



35.5173, 25.6790, 91.3637



30.8110, 22.4614, 51.4271



9.2340, 9.3375, 11.9878



7.0370, 2.9138, 32.5844



0.3378, 0.1462, 1.2793

Inverse Universe

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



33.5510, 24.1203, 40.4234



56.9672, 37.2718, 68.1952



29.7679, 42.3800, 20.2475



9.8253, 9.6544, 11.4688



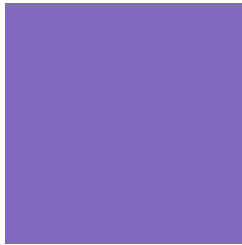
17.4244, 8.6009, 18.0603



0.7073, 0.3468, 0.8376

Previews

White Background



This preview shows how the XYZ color 23.2007, 18.5378, 51.0705 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 23.2007, 18.5378, 51.0705 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 23.2007, 18.5378, 51.0705

Background



This preview shows how black text looks on a background with the XYZ color 23.2007, 18.5378, 51.0705.



This preview shows how white text looks on a background with the XYZ color 23.2007, 18.5378,

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

23.2007, 18.5378, 51.0705

Protanopia

20.5329, 18.8240, 57.1948

Deuteranopia

19.1337, 18.6205, 49.5994



Tritanopia

17.6183, 18.5953, 23.4295

Trichromacy



Original Color

23.2007, 18.5378, 51.0705

Protanomaly

21.1245, 18.5051, 54.6830

Deuteranomaly

20.2400, 18.3181, 50.0459

Tritanomaly

19.3244, 18.4178, 31.8146

Monochromacy



Original Color

23.2007, 18.5378, 51.0705

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.8240, 18.8825, 30.2036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2007, 18.5378, 51.0705 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, 106, 190)` looks like.

```
.text, #text, p{  
    color:rgb(127, 106, 190)  
}
```

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, 106, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 106, 190) }
```

Border

The CSS property to change the border of an element to XYZ 23.2007, 18.5378, 51.0705 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, 106, 190) }
```


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

```
.border{ border-color:rgb(127, 106, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 106, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 106, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 106, 190);  
box-shadow:4px 4px 4px 4px rgb(127, 106,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2007, 18.5378, 51.0705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 106, 190) }
```

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

```
.background{ background-color: rgb(127,  
106, 190) }
```

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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