

Converting Colors

XYZ(23.0111, 18.5232, 56.2276)

Have a look what the booklet for
XYZ(23.0111, 18.5232, 56.2276)
contains.

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Color

**XYZ(23.0377, 18.4905,
56.3876)**

Conversions

Conversions Part 1

Format	Color
Hex	766BC7
RGB	118, 107, 199
RGB Percent	46%, 42%, 78%
CMY	0.5372, 0.5804, 0.2196
CMYK	0.41, 0.46, 0.00, 0.22
HSL	247°, 45%, 60%
HSV	247°, 46%, 78%
XYZ	23.0377, 18.4905, 56.3876
YIQ	120.7770, -22.9760, 30.9440

Conversions

Conversions Part 2

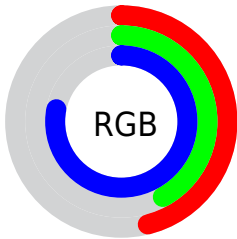
Format	Color
R_{YB}	118, 107, 199
Decimal	7760839
CIE _{Lab}	50.09, 26.90, -46.67
CIE _{LCh}	50, 53.864, 299.955
Yxy	18.4905, 0.2353, 0.1888
Android (android.graphics.Color)	4285950919 (0xFF766BC7)
YUV	120.7770, 38.5639, -2.4354
Hunter-Lab	43.0006, 20.3809, -47.6479

Details

The XYZ color **23.0377, 18.4905, 56.3876** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **43.8164, 52.6000, 21.7539**, and the grayscale version is **17.9877, 18.9244, 20.6087**.

A 20% lighter version of the original color is **47.7324, 40.6724, 99.9425**, and **8.6479, 6.1983, 27.1262** is the 20% darker color. If you saturate the color by 10%, you get **19.0344, 13.6934, 55.6730**, and if you desaturate by 10%, it is **27.9618, 24.4715, 57.2829**.

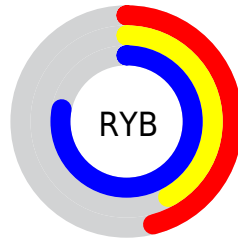
Distribution



Red (46%)

Green (42%)

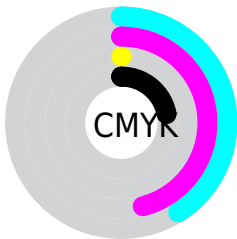
Blue (78%)



Red (46%)

Yellow (42%)

Blue (78%)

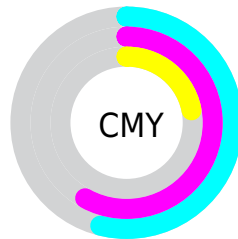


Cyan (41%)

Magenta (46%)

Yellow (0%)

Black (22%)



Cyan (54%)

Magenta (58%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0377, 18.4905, 56.3876 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 23.0377, 18.4905, 56.3876 by changing the saturation by 10% instead.

■ 23.0377, 18.4905,
56.3876

■ 23.0377, 18.4905,
56.3876

260.4503,
243.6214, 428.5799

■ 14.7422, 11.3027,
40.1077

■ 47.9214, 40.8714,
101.0625

■ 8.7238, 6.2708,
27.3081

■ 65.2404, 56.8332,
130.2946

■ 4.6171, 3.0105,
17.5703

■ 86.2978, 76.4886,
164.6811

■ 2.0568, 1.1372,
10.4757

■ 111.4591,
100.2218, 204.6407

■ 0.6656, 0.0095,
5.6058

141.0897,
128.4173, 250.5918

■ 0.0000, 0.0000,
2.5420

175.5548,

■ 0.0000, 0.0000,

161.4595, 302.9530

0.8623

215.2199,
199.7327, 362.1429

■ 0.0000, 0.0000,
0.0000

■ 23.0377, 18.4905,
56.3876

■ 23.0377, 18.4905,
56.3876

■ 19.0344, 13.6934,
55.6730

■ 27.9618, 24.4715,
57.2829

■ 15.8920, 9.9992,
55.1256

■ 33.8570, 31.7061,
58.3686

■ 13.5469, 7.3198,
54.7320

■ 40.7730, 40.2611,
59.6554

■ 11.9253, 5.5524,
54.4764

■ 48.7549, 50.1978,
61.1527

■ 10.9375, 4.5685,
54.3385

■ 57.8455, 61.5738,
62.8693

■ 10.6807, 4.3153,
54.3031

■ 68.0850, 74.4433,
64.8137

■ 79.5116, 88.8578,
66.9937

■ 87.3089, 96.9035,
68.1357

Harmonies

Analogous

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



17.5669, 18.4905, 64.3109



23.0377, 18.4905, 56.3876



27.6947, 18.4905, 38.0792

Triad

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



23.0377, 18.4905, 56.3876



23.0538, 18.4905, 4.1514



9.3712, 18.4905, 20.1108

Complementary

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



23.0377, 18.4905, 56.3876



43.8164, 52.6000, 21.7539

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.



10.2800, 18.4905, 8.9540



23.0377, 18.4905, 56.3876



17.5824, 18.4905, 2.9511

Square

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



23.0377, 18.4905, 56.3876



27.7052, 18.4905, 8.9764



13.0517, 18.4905, 4.1436



10.2746, 18.4905, 38.0204

Rectangle

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



23.0377, 18.4905, 56.3876



29.3330, 18.4905, 25.5349



13.0517, 18.4905, 4.1436



9.4721, 18.4905, 15.5523

Sweetspot

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



23.0384, 18.4912, 56.3881



74.0669, 73.8182, 104.9523



34.4129, 43.3303, 60.5830



15.2346, 15.0318, 22.3484



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.



23.0384, 18.4912, 56.3881



33.5933, 24.2915, 97.5259



30.8219, 22.5037, 56.7523



10.1726, 10.3472, 13.3786



6.9075, 2.7952, 34.9198



0.3673, 0.1531, 1.6553

Inverse Universe

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



37.8883, 26.2888, 50.6539



62.8085, 39.6510, 85.4083



34.2789, 47.6832, 21.3076



11.0264, 10.7939, 13.1222



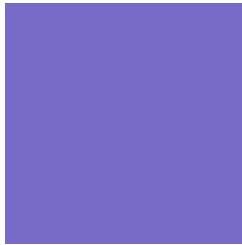
20.1552, 9.8116, 27.0908



0.9702, 0.4709, 1.3661

Previews

White Background



This preview shows how the XYZ color 23.0377, 18.4905, 56.3876 looks on a white background.

Color Contrast Check

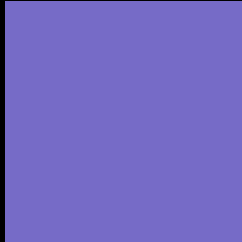
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0377, 18.4905, 56.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

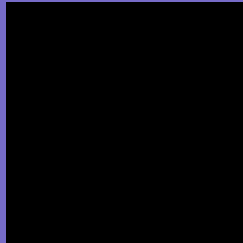
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0377, 18.4905, 56.3876

Background



This preview shows how black text looks on a background with the XYZ color 23.0377, 18.4905, 56.3876.

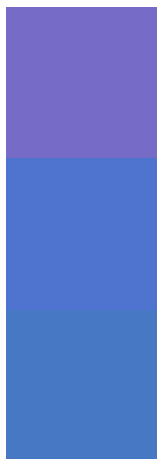


This preview shows how white text looks on a background with the XYZ color 23.0377, 18.4905,

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

23.0377, 18.4905, 56.3876

Protanopia

20.7724, 18.6646, 62.1823

Deuteranopia

19.2061, 18.7206, 54.8257



Tritanopia

16.6039, 18.4098, 24.5081

Trichromacy



Original Color

23.0377, 18.4905, 56.3876

Protanomaly

21.4388, 18.5452, 60.2072

Deuteranomaly

20.1393, 18.3189, 55.2978

Tritanomaly

18.5464, 18.3110, 34.0094

Monochromacy



Original Color

23.0377, 18.4905, 56.3876

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.4159, 18.6538, 31.0110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0377, 18.4905, 56.3876 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(118, 107, 199)` looks like.

```
.text, #text, p{  
    color:rgb(118, 107, 199)  
}
```

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(118, 107, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 107, 199) }
```

Border

The CSS property to change the border of an element to XYZ 23.0377, 18.4905, 56.3876 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(118, 107, 199) }
```


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

```
.border{ border-color:rgb(118, 107, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 107, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 107, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 107, 199);  
box-shadow:4px 4px 4px 4px rgb(118, 107,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0377, 18.4905, 56.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 107, 199) }
```

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

```
.background{ background-color: rgb(118,  
107, 199) }
```

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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