

Converting Colors

XYZ(23.6396, 26.1358, 45.2076)

Have a look what the booklet for
XYZ(23.6396, 26.1358, 45.2076)
contains.

XYZ(23.6180, 26.0639, 45.3810)	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(23.6180, 26.0639,
45.3810)**

Conversions

Conversions Part 1

Format	Color
Hex	6890B1
RGB	104, 144, 177
RGB Percent	41%, 56%, 69%
CMY	0.5921, 0.4353, 0.3059
CMYK	0.41, 0.19, 0.00, 0.31
HSL	207°, 32%, 55%
HSV	207°, 41%, 69%
XYZ	23.6180, 26.0639, 45.3810
YIQ	135.8020, -34.4330, 1.7830

Conversions

Conversions Part 2

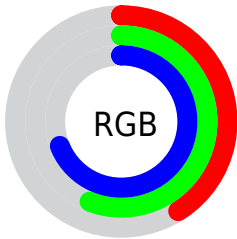
Format	Color
RYB	104, 130, 177
Decimal	6852785
CIELab	58.10, -5.04, -21.64
CIELCh	58, 22.220, 256.883
Yxy	26.0639, 0.2484, 0.2742
Android (android.graphics.Color)	4285042865 (0xFF6890B1)
YUV	135.8020, 20.3106, -27.8904
Hunter-Lab	51.0528, -6.7649, -16.9661

Details

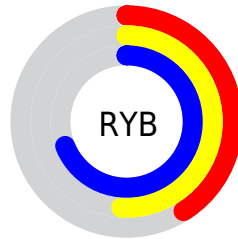
The XYZ color **23.6180, 26.0639, 45.3810** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.5764, 28.2386, 16.9893**, and the grayscale version is **23.2641, 24.4757, 26.6540**.

A 20% lighter version of the original color is **49.0026, 53.5405, 84.8424**, and **9.0060, 10.1645, 20.5560** is the 20% darker color. If you saturate the color by 10%, you get **20.6060, 22.7759, 44.9056**, and if you desaturate by 10%, it is **27.1489, 29.7480, 45.9065**.

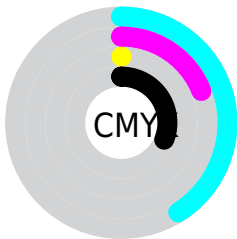
Distribution



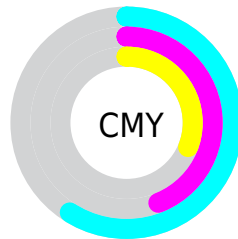
- Red (41%)
- Green (56%)
- Blue (69%)



- Red (41%)
- Yellow (51%)
- Blue (69%)



- Cyan (41%)
- Magenta (19%)
- Yellow (0%)
- Black (31%)



- Cyan (59%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6180, 26.0639, 45.3810 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 23.6180, 26.0639, 45.3810 by changing the saturation by 10% instead.

■ 23.6180, 26.0639,
45.3810

■ 23.6180, 26.0639,
45.3810

263.3599,
283.0956, 384.5195

■ 15.1737, 16.8715,
31.4125

■ 48.8653, 53.3780,
84.6163

■ 9.0285, 10.1429,
20.6521

■ 66.3991, 72.2685,
110.7203

■ 4.8170, 5.4938,
12.6812

■ 87.6933, 95.1604,
141.7064

■ 2.1740, 2.5398,
7.0812

■ 113.1135,
122.4381, 177.9933

■ 0.7290, 0.8965,
3.4337

143.0249,
154.4862, 219.9996

■ 0.0000, 0.0000,
1.3201

177.7928,

■ 0.0000, 0.0000,

191.6888, 268.1436

0.0782

217.7827,
234.4305, 322.8441

■ 0.0000, 0.0000,
0.0000

■ 23.6180, 26.0639,
45.3810

■ 23.6180, 26.0639,
45.3810

■ 20.6060, 22.7759,
44.9056

■ 27.1489, 29.7480,
45.9065

■ 18.0812, 19.8634,
44.4765

■ 31.2226, 33.8415,
46.4819

■ 16.0126, 17.3083,
44.0923

■ 35.8646, 38.3605,
47.1095

■ 14.3635, 15.0888,
43.7508

■ 41.0979, 43.3193,
47.7908

■ 13.0911, 13.1800,
43.4495

■ 46.9443, 48.7314,
48.5273

■ 12.2095, 11.7215,
43.2144

■ 53.4242, 54.6097,
49.3204

■ 60.5573, 60.9665,
50.1714

■ 68.3622, 67.8136,
51.0817

■ 73.7354, 73.5533,
51.9064

Harmonies

Analogous

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



21.4044, 26.0639, 40.6184



23.6180, 26.0639, 45.3810



26.3050, 26.0639, 45.0375

Triad

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



23.6180, 26.0639, 45.3810



30.0572, 26.0639, 24.2924



21.1872, 26.0639, 19.4138

Complementary

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



23.6180, 26.0639, 45.3810



29.5764, 28.2386, 16.9893

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.



23.3015, 26.0639, 16.4372



23.6180, 26.0639, 45.3810



28.4776, 26.0639, 18.8845

Square

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



23.6180, 26.0639, 45.3810



30.1573, 26.0639, 31.8740



25.9650, 26.0639, 16.2628



20.0710, 26.0639, 25.1496

Rectangle

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



23.6180, 26.0639, 45.3810



28.0075, 26.0639, 41.9473



25.9650, 26.0639, 16.2628



21.7976, 26.0639, 18.1064

Sweetspot

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



23.6188, 26.0649, 45.3816



63.3850, 67.8879, 84.2582



25.9364, 36.1898, 29.2297



13.5001, 14.4844, 18.2286



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.6188, 26.0649, 45.3816



37.6080, 41.5762, 80.5382



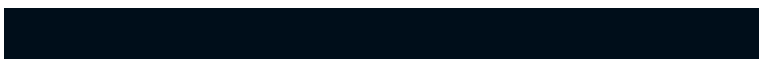
18.9713, 16.7697, 43.8324



8.4150, 8.9761, 10.7954



8.9074, 8.6152, 31.3304



0.3376, 0.3857, 1.0049

Inverse Universe

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



28.1165, 21.2622, 29.0087



46.9423, 32.7146, 46.3108



35.6415, 40.3687, 19.0110



8.6846, 8.5806, 9.8378



14.7307, 7.4098, 9.0079



0.4924, 0.2447, 0.4358

Previews

White Background



This preview shows how the XYZ color 23.6180, 26.0639, 45.3810 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 23.6180, 26.0639, 45.3810 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

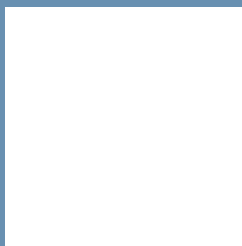
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6180, 26.0639, 45.3810

Background



This preview shows how black text looks on a background with the XYZ color 23.6180, 26.0639, 45.3810.

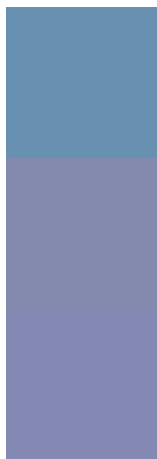


This preview shows how white text looks on a background with the XYZ color 23.6180, 26.0639,

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

23.6180, 26.0639, 45.3810

Protanopia

25.9914, 26.0194, 43.1875

Deuteranopia

26.5981, 26.0515, 46.2744



Tritanopia

21.8373, 26.0233, 36.6729

Trichromacy



Original Color

23.6180, 26.0639, 45.3810

Protanomaly

24.9032, 25.8771, 43.7266

Deuteranomaly

25.4400, 26.1081, 45.8180

Tritanomaly

22.5286, 26.0776, 39.9225

Monochromacy



Original Color

23.6180, 26.0639, 45.3810

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.1307, 24.9847, 32.8816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6180, 26.0639, 45.3810 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(104, 144, 177)` looks like.

```
.text, #text, p{  
    color:rgb(104, 144, 177)  
}
```

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(104, 144, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 144, 177) }
```

Border

The CSS property to change the border of an element to XYZ 23.6180, 26.0639, 45.3810 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(104, 144, 177) }
```


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

```
.border{ border-color:rgb(104, 144, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 144, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 144, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 144, 177);  
box-shadow:4px 4px 4px 4px rgb(104, 144,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6180, 26.0639, 45.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 144, 177) }
```

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

```
.background{ background-color: rgb(104,  
144, 177) }
```

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