

Converting Colors

XYZ(23.4262, 26.6384, 44.9707)

Have a look what the booklet for
XYZ(23.4262, 26.6384, 44.9707)
contains.

XYZ(23.4158, 26.6547, 44.9850)	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(23.4158, 26.6547,
44.9850)**

Conversions

Conversions Part 1

Format	Color
Hex	6393B0
RGB	99, 147, 176
RGB Percent	39%, 58%, 69%
CMY	0.6118, 0.4235, 0.3098
CMYK	0.44, 0.16, 0.00, 0.31
HSL	203°, 33%, 54%
HSV	203°, 44%, 69%
XYZ	23.4158, 26.6547, 44.9850
YIQ	135.9540, -37.9170, -1.1570

Conversions

Conversions Part 2

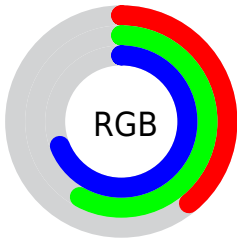
Format	Color
R _Y B	99, 129, 176
Decimal	6525872
CIE Lab	58.65, -8.34, -20.25
CIE LCh	59, 21.896, 247.618
Yxy	26.6547, 0.2463, 0.2804
Android (android.graphics.Color)	4284715952 (0xFF6393B0)
YUV	135.9540, 19.7427, -32.4087
Hunter-Lab	51.6282, -9.3912, -15.5212

Details

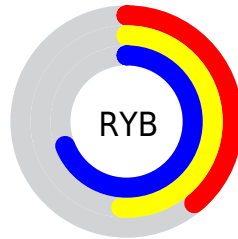
The XYZ color **23.4158, 26.6547, 44.9850** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.8764, 25.5699, 15.2715**, and the grayscale version is **23.3239, 24.5386, 26.7225**.

A 20% lighter version of the original color is **48.5890, 54.3718, 84.2778**, and **8.8402, 10.3537, 20.2714** is the 20% darker color. If you saturate the color by 10%, you get **20.6974, 23.7675, 44.5715**, and if you desaturate by 10%, it is **26.6143, 29.8787, 45.4392**.

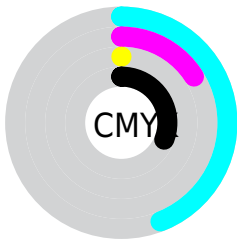
Distribution



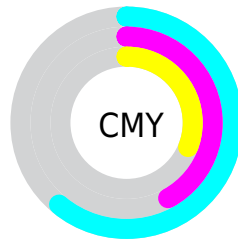
- Red (39%)
- Green (58%)
- Blue (69%)



- Red (39%)
- Yellow (51%)
- Blue (69%)



- Cyan (44%)
- Magenta (16%)
- Yellow (0%)
- Black (31%)



- Cyan (61%)
- Magenta (42%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4158, 26.6547, 44.9850 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 23.4158, 26.6547, 44.9850 by changing the saturation by 10% instead.

■ 23.4158, 26.6547,
44.9850

■ 23.4158, 26.6547,
44.9850

262.3491,
285.9813, 382.8712

■ 15.0232, 17.3141,
31.1027

■ 48.5368, 54.3293,
84.0161

■ 8.9221, 10.4587,
20.4180

■ 65.9960, 73.4320,
110.0021

■ 4.7471, 5.7041,
12.5122

■ 87.2080, 96.5575,
140.8596

■ 2.1329, 2.6660,
6.9667

■ 112.5383,
124.0903, 177.0074

■ 0.7070, 0.9600,
3.3632

142.3522,
156.4147, 218.8639

■ 0.0000, 0.0000,
1.2829

177.0151,

■ 0.0000, 0.0000,

193.9150, 266.8477

0.0477

216.8923,
236.9758, 321.3772

■ 0.0000, 0.0000,
0.0000

■ 23.4158, 26.6547,
44.9850

■ 23.4158, 26.6547,
44.9850

■ 20.6974, 23.7675,
44.5715

■ 26.6143, 29.8787,
45.4392

■ 18.4281, 21.1980,
44.1951

■ 30.3164, 33.4514,
45.9337

■ 16.5770, 18.9293,
43.8548

■ 34.5469, 37.3875,
46.4704

■ 15.1075, 16.9409,
43.5484

■ 39.3283, 41.6999,
47.0508

■ 13.9762, 15.2089,
43.2737

■ 44.6816, 46.4009,
47.6761

■ 13.3819, 14.2254,
43.1152

■ 50.6266, 51.5020,
48.3473

■ 57.1822, 57.0142,
49.0658

■ 64.3666, 62.9481,
49.8325

■ 71.3067, 68.8550,
50.6068

Harmonies

Analogous

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



21.4549, 26.6547, 39.0343



23.4158, 26.6547, 44.9850



26.0263, 26.6547, 46.3173

Triad

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



23.4158, 26.6547, 44.9850



30.8140, 26.6547, 27.1030



22.3071, 26.6547, 18.8003

Complementary

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



23.4158, 26.6547, 44.9850



27.8764, 25.5699, 15.2715

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.



24.6551, 26.6547, 16.6781



23.4158, 26.6547, 44.9850



29.6557, 26.6547, 20.8881

Square

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



23.4158, 26.6547, 44.9850



30.4237, 26.6547, 35.0355



27.3552, 26.6547, 17.3683



20.8470, 26.6547, 23.7400

Rectangle

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



23.4158, 26.6547, 44.9850



27.8083, 26.6547, 44.2235



27.3552, 26.6547, 17.3683



23.0119, 26.6547, 17.7776

Sweetspot

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



23.4167, 26.6557, 44.9856



63.0827, 68.1981, 84.3340



24.5176, 35.2423, 25.6696



13.2904, 14.4305, 18.2292



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.



23.4167, 26.6557, 44.9856



37.9191, 43.5224, 80.8974



18.4800, 16.7824, 43.3401



8.4684, 9.0830, 10.8132



9.8761, 10.5526, 31.6533



0.3647, 0.4399, 1.0139

Inverse Universe

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



27.6335, 20.2612, 30.0592



46.7761, 31.4108, 49.2505



33.7450, 37.3072, 17.2277



8.7116, 8.5914, 9.9798



15.2197, 7.6054, 11.5826



0.5061, 0.2502, 0.5078

Previews

White Background



This preview shows how the XYZ color 23.4158, 26.6547, 44.9850 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 23.4158, 26.6547, 44.9850 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 23.4158, 26.6547, 44.9850

Background



This preview shows how black text looks on a background with the XYZ color 23.4158, 26.6547, 44.9850.



This preview shows how white text looks on a background with the XYZ color 23.4158, 26.6547,

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

23.4158, 26.6547, 44.9850

Protanopia

26.4148, 26.4738, 42.2458

Deuteranopia

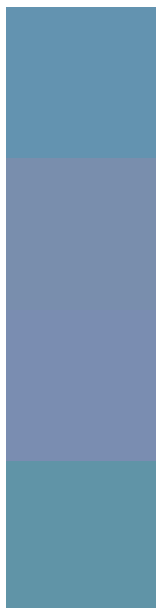
27.1160, 26.5422, 45.8135



Tritanopia

21.9883, 26.5364, 38.1456

Trichromacy



Original Color

23.4158, 26.6547, 44.9850

Protanomaly

25.1010, 26.4281, 43.3133

Deuteranomaly

25.4867, 26.3617, 45.3400

Tritanomaly

22.3888, 26.4566, 40.4858

Monochromacy



Original Color

23.4158, 26.6547, 44.9850

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.1324, 25.2015, 32.9233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4158, 26.6547, 44.9850 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(99, 147, 176)` looks like.

```
.text, #text, p{  
    color:rgb(99, 147, 176)  
}
```

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(99, 147, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 147, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.4158, 26.6547, 44.9850 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(99, 147, 176) }
```


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

```
.border{ border-color:rgb(99, 147, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 147, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 147, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 147, 176);  
box-shadow:4px 4px 4px 4px rgb(99, 147,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4158, 26.6547, 44.9850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 147, 176) }
```

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

```
.background{ background-color: rgb(99, 147,  
176) }
```

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