

Converting Colors

XYZ(23.2375, 23.7946, 49.3804)

Have a look what the booklet for
XYZ(23.2375, 23.7946, 49.3804)
contains.

XYZ(23.2466, 23.8340, 49.2741)	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(23.2466, 23.8340,
49.2741)**

Conversions

Conversions Part 1

Format	Color
Hex	6987B9
RGB	105, 135, 185
RGB Percent	41%, 53%, 73%
CMY	0.5882, 0.4706, 0.2745
CMYK	0.43, 0.27, 0.00, 0.27
HSL	217°, 36%, 57%
HSV	217°, 43%, 73%
XYZ	23.2466, 23.8340, 49.2741
YIQ	131.7300, -33.9300, 9.1900

Conversions

Conversions Part 2

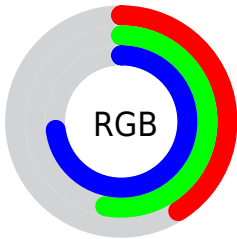
Format	Color
RYB	105, 127, 185
Decimal	6916025
CIELab	55.92, 2.68, -29.55
CIELCh	56, 29.669, 275.187
Yxy	23.8340, 0.2413, 0.2474
Android (android.graphics.Color)	4285106105 (0xFF6987B9)
YUV	131.7300, 26.2621, -23.4422
Hunter-Lab	48.8201, -0.4390, -25.6673

Details

The XYZ color **23.2466, 23.8340, 49.2741** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.2793, 34.7776, 18.2715**, and the grayscale version is **21.7529, 22.8858, 24.9226**.

A 20% lighter version of the original color is **48.1585, 49.6882, 90.2717**, and **8.9088, 9.0516, 23.1074** is the 20% darker color. If you saturate the color by 10%, you get **19.7789, 19.7805, 48.6749**, and if you desaturate by 10%, it is **27.3638, 28.4834, 49.9550**.

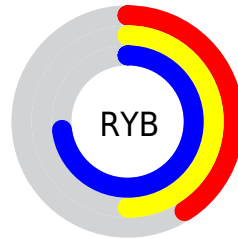
Distribution



Red (41%)

Green (53%)

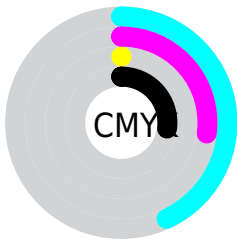
Blue (73%)



Red (41%)

Yellow (50%)

Blue (73%)

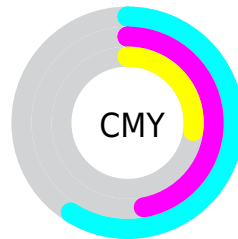


Cyan (43%)

Magenta (27%)

Yellow (0%)

Black (27%)



Cyan (59%)

Magenta (47%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2466, 23.8340, 49.2741 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 23.2466, 23.8340, 49.2741 by changing the saturation by 10% instead.

■ 23.2466, 23.8340,
49.2741

■ 23.2466, 23.8340,
49.2741

261.5008,
271.9802, 400.4738

■ 14.8974, 15.2105,
34.4698

■ 48.2616, 49.7592,
90.4836

■ 8.8333, 8.9673,
22.9745

■ 65.6581, 67.8297,
117.7259

■ 4.6888, 4.7198,
14.3695

■ 86.8011, 89.8180,
149.9514

■ 2.0987, 2.0838,
8.2365

■ 112.0560,
116.1084, 187.5784

■ 0.6885, 0.6555,
4.1567

141.7880,
147.0855, 231.0257

■ 0.0000, 0.0000,
1.7117

176.3626,

■ 0.0000, 0.0000,

183.1336, 280.7116

0.3687

216.1451,
224.6370, 337.0548

■ 0.0000, 0.0000,
0.0000

■ 23.2466, 23.8340,
49.2741

■ 23.2466, 23.8340,
49.2741

■ 19.7789, 19.7805,
48.6749

■ 27.3638, 28.4834,
49.9550

■ 16.9218, 16.2932,
48.1524

■ 32.1615, 33.7511,
50.7189

■ 14.6355, 13.3432,
47.7035

■ 37.6718, 39.6617,
51.5693

■ 12.8740, 10.8978,
47.3243

■ 43.9235, 46.2375,
52.5091

■ 11.5830, 8.9190,
47.0104

■ 50.9442, 53.4994,
53.5407

■ 10.9083, 7.8054,
46.8310

■ 58.7597, 61.4677,
54.6668

■ 67.3948, 70.1616,
55.8898

■ 76.8732, 79.5996,
57.2120

■ 80.8826, 86.5339,
58.3391

Harmonies

Analogous

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



20.0321, 23.8340, 46.7969



23.2466, 23.8340, 49.2741



26.6120, 23.8340, 44.3461

Triad

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



23.2466, 23.8340, 49.2741



28.3959, 23.8340, 16.6291



17.2478, 23.8340, 18.8925

Complementary

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



23.2466, 23.8340, 49.2741



34.2793, 34.7776, 18.2715

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.



19.1084, 23.8340, 13.5102



23.2466, 23.8340, 49.2741



25.4942, 23.8340, 12.4494

Square

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



23.2466, 23.8340, 49.2741



29.7681, 23.8340, 24.3034



22.0706, 23.8340, 11.4692



16.7737, 23.8340, 27.6718

Rectangle

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



23.2466, 23.8340, 49.2741



28.4242, 23.8340, 38.1045



22.0706, 23.8340, 11.4692



17.7220, 23.8340, 16.7031

Sweetspot

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



23.2474, 23.8349, 49.2747



67.5000, 71.0659, 92.3641



29.0359, 40.0460, 36.9176



14.0598, 14.7970, 19.8367



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.2474, 23.8349, 49.2747



35.6460, 35.6915, 87.2150



20.7922, 17.2066, 48.1247



8.7897, 9.2565, 11.4029



7.4925, 5.4447, 31.9091



0.3244, 0.3125, 1.1450

Inverse Universe

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



29.4330, 22.1675, 25.6500



48.4742, 33.3485, 37.9703



37.7285, 44.9096, 20.0454



9.1402, 9.0664, 10.0856



14.3956, 7.3320, 4.7038



0.5379, 0.2706, 0.3261

Previews

White Background



This preview shows how the XYZ color 23.2466, 23.8340, 49.2741 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 23.2466, 23.8340, 49.2741 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

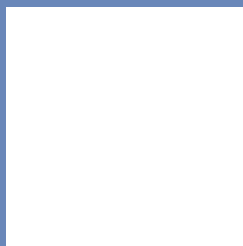
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2466, 23.8340, 49.2741

Background



This preview shows how black text looks on a background with the XYZ color 23.2466, 23.8340, 49.2741.



This preview shows how white text looks on a background with the XYZ color 23.2466, 23.8340,

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

23.2466, 23.8340, 49.2741

Protanopia

24.4063, 23.8434, 48.1156

Deuteranopia

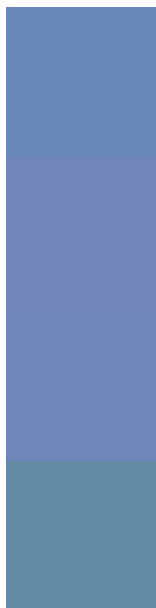
24.3166, 23.7607, 49.7590



Tritanopia

20.0162, 23.8035, 33.2453

Trichromacy



Original Color

23.2466, 23.8340, 49.2741

Protanomaly

23.9787, 23.8132, 48.6800

Deuteranomaly

23.9325, 23.7650, 49.7801

Tritanomaly

21.0790, 23.7982, 38.6045

Monochromacy



Original Color

23.2466, 23.8340, 49.2741

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9995, 23.1470, 32.5865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2466, 23.8340, 49.2741 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(105, 135, 185)` looks like.

```
.text, #text, p{  
    color:rgb(105, 135, 185)  
}
```

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(105, 135, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 135, 185) }
```

Border

The CSS property to change the border of an element to XYZ 23.2466, 23.8340, 49.2741 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(105, 135, 185) }
```


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

```
.border{ border-color:rgb(105, 135, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 135, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 135, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 135, 185);  
box-shadow:4px 4px 4px 4px rgb(105, 135,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2466, 23.8340, 49.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 135, 185) }
```

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

```
.background{ background-color: rgb(105,  
135, 185) }
```

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