

Converting Colors

XYZ(23.8906, 24.7032, 49.5653)

Have a look what the booklet for
XYZ(23.8906, 24.7032, 49.5653)
contains.

XYZ(23.9088, 24.8055, 49.4268)	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(23.9088, 24.8055,
49.4268)**

Conversions

Conversions Part 1

Format	Color
Hex	6B8AB9
RGB	107, 138, 185
RGB Percent	42%, 54%, 73%
CMY	0.5804, 0.4588, 0.2745
CMYK	0.42, 0.25, 0.00, 0.27
HSL	216°, 36%, 57%
HSV	216°, 42%, 73%
XYZ	23.9088, 24.8055, 49.4268
YIQ	134.0890, -33.5630, 8.0450

Conversions

Conversions Part 2

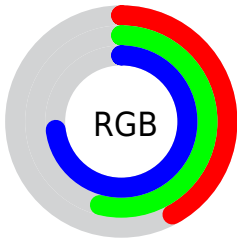
Format	Color
R_{YB}	107, 129, 185
Decimal	7047865
CIE Lab	56.89, 1.47, -28.04
CIE LCh	57, 28.082, 272.995
Yxy	24.8055, 0.2436, 0.2528
Android (android.graphics.Color)	4285237945 (0xFF6B8AB9)
YUV	134.0890, 25.0991, -23.7571
Hunter-Lab	49.8051, -1.4706, -23.9760

Details

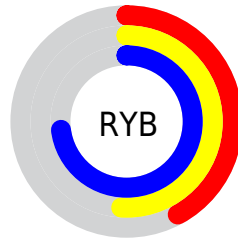
The XYZ color **23.9088, 24.8055, 49.4268** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **34.2177, 34.4878, 18.7641**, and the grayscale version is **22.6128, 23.7905, 25.9078**.

A 20% lighter version of the original color is **49.2059, 51.1895, 90.5062**, and **9.1759, 9.4297, 23.1663** is the 20% darker color. If you saturate the color by 10%, you get **20.4000, 20.7434, 48.8281**, and if you desaturate by 10%, it is **28.0593, 29.4431, 50.1036**.

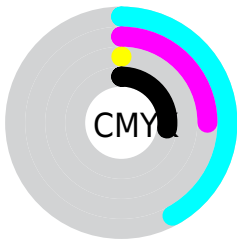
Distribution



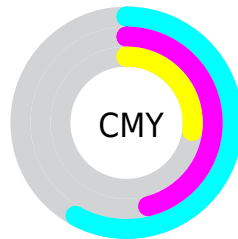
- Red (42%)
- Green (54%)
- Blue (73%)



- Red (42%)
- Yellow (51%)
- Blue (73%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)
- Black (27%)



- Cyan (58%)
- Magenta (46%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9088, 24.8055, 49.4268 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 23.9088, 24.8055, 49.4268 by changing the saturation by 10% instead.

■ 23.9088, 24.8055,
49.4268

■ 23.9088, 24.8055,
49.4268

264.8081,
276.8679, 401.0908

■ 15.3904, 15.9322,
34.5902

■ 49.3371, 51.3415,
90.7126

■ 9.1819, 9.4762,
23.0663

■ 66.9776, 69.7730,
117.9988

■ 4.9181, 5.0531,
14.4367

■ 88.3896, 92.1594,
150.2719

■ 2.2335, 2.2784,
8.2828

■ 113.9384,
118.8850, 187.9506

■ 0.7603, 0.7623,
4.1861

143.9892,
150.3343, 231.4532

■ 0.0000, 0.0000,
1.7280

178.9076,

■ 0.0000, 0.0000,

186.8916, 281.1985

0.3798

219.0587,
228.9413, 337.6048

■ 0.0000, 0.0000,
0.0000

■ 23.9088, 24.8055,
49.4268

■ 23.9088, 24.8055,
49.4268

■ 20.4000, 20.7434,
48.8281

■ 28.0593, 29.4431,
50.1036

■ 17.4948, 17.2284,
48.3028

■ 32.8816, 34.6772,
50.8598

■ 15.1546, 14.2335,
47.8480

■ 38.4069, 40.5312,
51.6985

■ 13.3350, 11.7275,
47.4602

■ 44.6634, 47.0260,
52.6224

■ 11.9834, 9.6749,
47.1353

■ 51.6780, 54.1817,
53.6338

■ 11.1743, 8.3373,
46.9198

■ 59.4759, 62.0175,
54.7353

■ 68.0814, 70.5515,
55.9290

■ 77.5160, 79.8007,
57.2170

■ 80.6676, 86.1040,
58.2675

Harmonies

Analogous

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



20.8210, 24.8055, 46.5671



23.9088, 24.8055, 49.4268



27.1902, 24.8055, 45.2199

Triad

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



23.9088, 24.8055, 49.4268



29.2871, 24.8055, 18.2997



18.3805, 24.8055, 19.5933

Complementary

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



23.9088, 24.8055, 49.4268



34.2177, 34.4878, 18.7641

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.



20.2987, 24.8055, 14.4909



23.9088, 24.8055, 49.4268



26.5658, 24.8055, 13.8751

Square

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



23.9088, 24.8055, 49.4268



30.4711, 24.8055, 26.0738



23.2481, 24.8055, 12.6618



17.8099, 24.8055, 27.9662

Rectangle

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



23.9088, 24.8055, 49.4268



28.9949, 24.8055, 39.4388



23.2481, 24.8055, 12.6618



18.8797, 24.8055, 17.5108

Sweetspot

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



23.9096, 24.8064, 49.4274



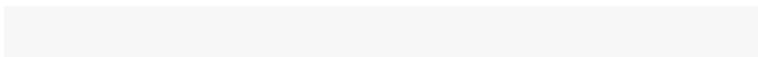
67.6841, 71.4341, 92.4254



29.2292, 40.1508, 36.6947



14.1052, 14.8879, 19.8518



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.



23.9096, 24.8064, 49.4274



36.7240, 37.3732, 87.4828



21.0594, 17.6504, 48.1964



8.8061, 9.2895, 11.4084



7.6756, 5.8109, 31.9701



0.3316, 0.3268, 1.1474

Inverse Universe

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



29.8534, 22.6655, 26.8471



49.1341, 34.0558, 40.0787



38.1805, 45.1307, 20.6095



9.1485, 9.0698, 10.1294



14.4880, 7.3689, 5.1905



0.5415, 0.2721, 0.3451

Previews

White Background



This preview shows how the XYZ color 23.9088, 24.8055, 49.4268 looks on a white background.

Color Contrast Check

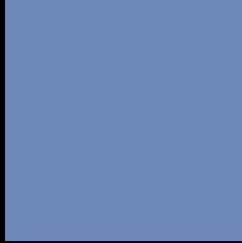
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9088, 24.8055, 49.4268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

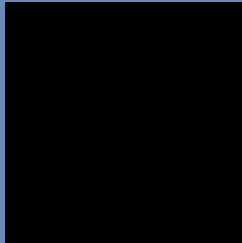
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

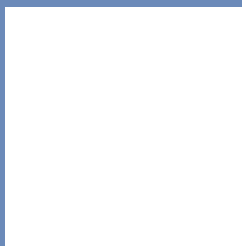
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9088, 24.8055, 49.4268

Background



This preview shows how black text looks on a background with the XYZ color 23.9088, 24.8055, 49.4268.



This preview shows how white text looks on a background with the XYZ color 23.9088, 24.8055,

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

23.9088, 24.8055, 49.4268

Protanopia

25.1370, 24.6385, 47.6868

Deuteranopia

25.2732, 24.6603, 49.8823



Tritanopia

21.0352, 24.9657, 34.7205

Trichromacy



Original Color

23.9088, 24.8055, 49.4268

Protanomaly

24.5473, 24.5288, 48.2405

Deuteranomaly

24.7294, 24.5861, 49.8966

Tritanomaly

22.0354, 24.9240, 39.7258

Monochromacy



Original Color

23.9088, 24.8055, 49.4268

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.7259, 23.9129, 33.5549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9088, 24.8055, 49.4268 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(107, 138, 185)` looks like.

```
.text, #text, p{  
    color:rgb(107, 138, 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(107, 138, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 138, 185) }
```

Border

The CSS property to change the border of an element to XYZ 23.9088, 24.8055, 49.4268 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(107, 138, 185) }
```


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

```
.border{ border-color:rgb(107, 138, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 138, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 138, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 138, 185);  
box-shadow:4px 4px 4px 4px rgb(107, 138,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9088, 24.8055, 49.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 138, 185) }
```

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

```
.background{ background-color: rgb(107,  
138, 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