

Converting Colors

XYZ(23.1452, 25.0054, 44.6552)

Have a look what the booklet for
XYZ(23.1452, 25.0054, 44.6552)
contains.

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Color

**XYZ(23.1584, 24.9549,
44.6705)**

Conversions

Conversions Part 1

Format	Color
Hex	6A8CB0
RGB	106, 140, 176
RGB Percent	42%, 55%, 69%
CMY	0.5843, 0.4510, 0.3098
CMYK	0.40, 0.20, 0.00, 0.31
HSL	211°, 31%, 55%
HSV	211°, 40%, 69%
XYZ	23.1584, 24.9549, 44.6705
YIQ	133.9380, -31.8200, 3.9880

Conversions

Conversions Part 2

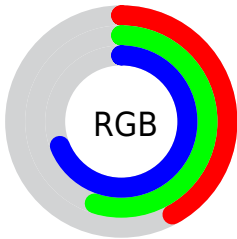
Format	Color
R _Y B	106, 129, 176
Decimal	6982832
CIE Lab	57.03, -2.50, -22.69
CIE LCh	57, 22.832, 263.715
Yxy	24.9549, 0.2496, 0.2690
Android (android.graphics.Color)	4285172912 (0xFF6A8CB0)
YUV	133.9380, 20.7366, -24.5016
Hunter-Lab	49.9549, -4.6709, -18.0497

Details

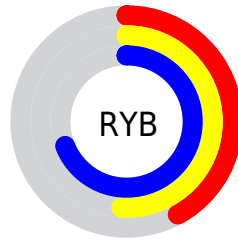
The XYZ color **23.1584, 24.9549, 44.6705** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.1796, 29.6173, 17.7626**, and the grayscale version is **22.5725, 23.7480, 25.8616**.

A 20% lighter version of the original color is **48.1327, 51.4397, 83.7359**, and **8.7526, 9.5267, 20.1164** is the 20% darker color. If you saturate the color by 10%, you get **20.0090, 21.4485, 44.1601**, and if you desaturate by 10%, it is **26.8475, 28.9021, 45.2384**.

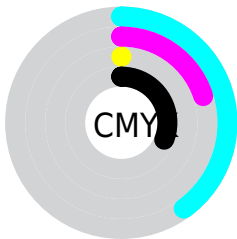
Distribution



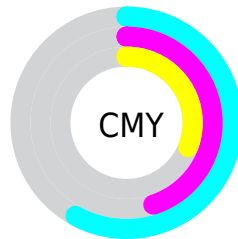
- Red (42%)
- Green (55%)
- Blue (69%)



- Red (42%)
- Yellow (51%)
- Blue (69%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)



- Cyan (58%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1584, 24.9549, 44.6705 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 23.1584, 24.9549, 44.6705 by changing the saturation by 10% instead.

■ 23.1584, 24.9549,
44.6705

■ 23.1584, 24.9549,
44.6705

261.0577,
277.6133, 381.5586

■ 14.8319, 16.0435,
30.8569

■ 48.1180, 51.5840,
83.5389

■ 8.7870, 9.5549,
20.2324

■ 65.4818, 70.0705,
109.4309

■ 4.6585, 5.1049,
12.3783

■ 86.5887, 92.5175,
140.1860

■ 2.0810, 2.3089,
6.8762

■ 111.8042,
119.3093, 176.2229

■ 0.6789, 0.7784,
3.3075

141.4934,
150.8304, 217.9600

■ 0.0000, 0.0000,
1.2537

176.0218,

■ 0.0000, 0.0000,

187.4652, 265.8160

0.0234

215.7548,
229.5980, 320.2093

■ 0.0000, 0.0000,
0.0000

■ 23.1584, 24.9549,
44.6705

■ 23.1584, 24.9549,
44.6705

■ 20.0090, 21.4485,
44.1601

■ 26.8475, 28.9021,
45.2384

■ 17.3679, 18.3612,
43.7034

■ 31.1005, 33.3048,
45.8640

■ 15.2037, 15.6735,
43.2987

■ 35.9431, 38.1803,
46.5499

■ 13.4802, 13.3624,
42.9435

■ 41.3985, 43.5441,
47.2977

■ 12.1554, 11.4019,
42.6349

■ 47.4888, 49.4109,
48.1091

■ 11.1450, 9.7441,
42.3681

■ 54.2348, 55.7948,
48.9857

■ 11.1235, 9.7086,
42.3624

■ 61.6562, 62.7092,
49.9292

■ 69.7721, 70.1670,
50.9410

■ 75.0559, 76.3533,
51.8565

Harmonies

Analogous

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



20.7939, 24.9549, 40.9124



23.1584, 24.9549, 44.6705



25.8557, 24.9549, 43.0750

Triad

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



23.1584, 24.9549, 44.6705



28.7648, 24.9549, 21.6500



19.7972, 24.9549, 19.3296

Complementary

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



23.1584, 24.9549, 44.6705



30.1796, 29.6173, 17.7626

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.



21.7031, 24.9549, 15.7614



23.1584, 24.9549, 44.6705



26.9061, 24.9549, 16.9138

Square

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



23.1584, 24.9549, 44.6705



29.2276, 24.9549, 28.8220



24.2883, 24.9549, 14.9687



18.9499, 24.9549, 25.5856

Rectangle

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



23.1584, 24.9549, 44.6705



27.4673, 24.9549, 39.3161



24.2883, 24.9549, 14.9687



20.3280, 24.9549, 17.8274

Sweetspot

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



23.1592, 24.9559, 44.6711



62.9454, 67.0086, 84.1117



26.2776, 36.0385, 30.7712



13.3959, 14.2760, 18.1938



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.



23.1592, 24.9559, 44.6711



36.7815, 39.4596, 80.1732



18.9351, 16.5077, 43.2631



8.3713, 8.8887, 10.7808



8.2196, 7.2397, 31.1012



0.3171, 0.3448, 0.9981

Inverse Universe

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



27.7928, 21.4324, 27.4839



46.6383, 33.0263, 43.3742



36.0319, 41.3219, 19.7133



8.6626, 8.5718, 9.7216



14.3835, 7.2710, 7.1797



0.4821, 0.2406, 0.3814

Previews

White Background



This preview shows how the XYZ color 23.1584, 24.9549, 44.6705 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 23.1584, 24.9549, 44.6705 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

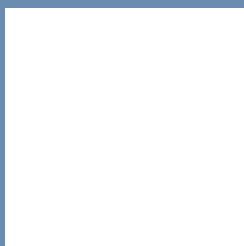
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1584, 24.9549, 44.6705

Background



This preview shows how black text looks on a background with the XYZ color 23.1584, 24.9549, 44.6705.

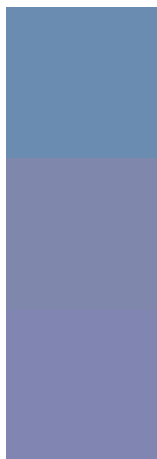


This preview shows how white text looks on a background with the XYZ color 23.1584, 24.9549,

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

23.1584, 24.9549, 44.6705

Protanopia

24.8628, 24.8185, 42.5098

Deuteranopia

25.3630, 24.8137, 45.0477



Tritanopia

21.2565, 25.0798, 34.7309

Trichromacy



Original Color

23.1584, 24.9549, 44.6705

Protanomaly

24.0962, 24.8304, 43.0579

Deuteranomaly

24.4857, 24.7757, 45.0866

Tritanomaly

22.0268, 25.1728, 38.3482

Monochromacy



Original Color

23.1584, 24.9549, 44.6705

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.5412, 24.0633, 31.8904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1584, 24.9549, 44.6705 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(106, 140, 176)` looks like.

```
.text, #text, p{  
    color:rgb(106, 140, 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(106, 140, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 140, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.1584, 24.9549, 44.6705 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(106, 140, 176) }
```


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

```
.border{ border-color:rgb(106, 140, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 140, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 140, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 140, 176);  
box-shadow:4px 4px 4px 4px rgb(106, 140,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1584, 24.9549, 44.6705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 140, 176) }
```

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

```
.background{ background-color: rgb(106,  
140, 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](#).

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