

Converting Colors

XYZ(23.9917, 23.2259, 54.7702)

Have a look what the booklet for
XYZ(23.9917, 23.2259, 54.7702)
contains.

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Color

**XYZ(24.0300, 23.2985,
54.8603)**

Conversions

Conversions Part 1

Format	Color
Hex	6B83C3
RGB	107, 131, 195
RGB Percent	42%, 51%, 76%
CMY	0.5804, 0.4863, 0.2353
CMYK	0.45, 0.33, 0.00, 0.24
HSL	224°, 42%, 59%
HSV	224°, 45%, 76%
XYZ	24.0300, 23.2985, 54.8603
YIQ	131.1200, -34.8480, 14.8160

Conversions

Conversions Part 2

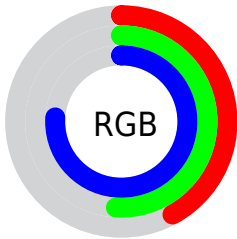
Format	Color
R_{YB}	107, 126, 195
Decimal	7046083
CIE Lab	55.38, 8.50, -36.08
CIE LCh	55, 37.066, 283.249
Yxy	23.2985, 0.2352, 0.2280
Android (android.graphics.Color)	4285236163 (0xFF6B83C3)
YUV	131.1200, 31.4928, -21.1532
Hunter-Lab	48.2685, 4.3945, -33.5990

Details

The XYZ color **24.0300, 23.2985, 54.8603** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **39.7233, 41.7906, 19.8837**, and the grayscale version is **21.5169, 22.6374, 24.6522**.

A 20% lighter version of the original color is **49.6115, 48.9906, 98.9368**, and **9.2412, 8.6877, 26.3891** is the 20% darker color. If you saturate the color by 10%, you get **20.1684, 18.6714, 54.1712**, and if you desaturate by 10%, it is **28.6826, 28.7213, 55.6622**.

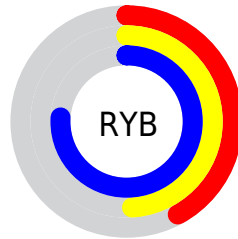
Distribution



Red (42%)

Green (51%)

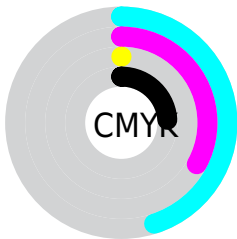
Blue (76%)



Red (42%)

Yellow (49%)

Blue (76%)

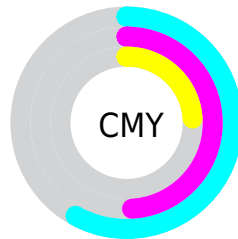


Cyan (45%)

Magenta (33%)

Yellow (0%)

Black (24%)



Cyan (58%)

Magenta (49%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0300, 23.2985, 54.8603 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 24.0300, 23.2985, 54.8603 by changing the saturation by 10% instead.

■ 24.0300, 23.2985,
54.8603

■ 24.0300, 23.2985,
54.8603

265.4098,
269.2545, 422.6492

■ 15.4807, 14.8141,
38.8920

■ 49.5335, 48.8830,
98.8053

■ 9.2460, 8.6890,
26.3686

■ 67.2184, 66.7519,
127.6192

■ 4.9604, 4.5389,
16.8713

■ 88.6792, 88.5177,
161.5520

■ 2.2585, 1.9793,
9.9818

■ 114.2813,
114.5648, 201.0223

■ 0.7733, 0.5954,
5.2815

144.3901,
145.2776, 246.4486

■ 0.0000, 0.0000,
2.3517

179.3709,

■ 0.0000, 0.0000,

181.0406, 298.2495

0.7600

219.5890,
222.2381, 356.8435

■ 0.0000, 0.0000,
0.0000

■ 24.0300, 23.2985,
54.8603

■ 24.0300, 23.2985,
54.8603

■ 20.1684, 18.6714,
54.1712

■ 28.6826, 28.7213,
55.6622

■ 17.0489, 14.7979,
53.5879

■ 34.1664, 34.9739,
56.5801

■ 14.6205, 11.6354,
53.1055

■ 40.5214, 42.0915,
57.6190

■ 12.8243, 9.1356,
52.7176

■ 47.7846, 50.1063,
58.7832

■ 11.5900, 7.2428,
52.4173

■ 55.9906, 59.0488,
60.0767

■ 11.1317, 6.5028,
52.2987

■ 65.1723, 68.9483,
61.5036

■ 75.3607, 79.8324,
63.0675

■ 83.5793, 90.1779,
64.6312

■ 86.8504, 96.7202,
65.7216

Harmonies

Analogous

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



19.9170, 23.2985, 54.2564



24.0300, 23.2985, 54.8603



28.0936, 23.2985, 45.9945

Triad

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



24.0300, 23.2985, 54.8603



28.5008, 23.2985, 12.6808



15.3306, 23.2985, 19.3187

Complementary

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



24.0300, 23.2985, 54.8603



39.7233, 41.7906, 19.8837

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.



17.1008, 23.2985, 12.0672



24.0300, 23.2985, 54.8603



24.5323, 23.2985, 9.1406

Square

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



24.0300, 23.2985, 54.8603



30.8845, 23.2985, 20.4689



20.3604, 23.2985, 8.9583



15.2318, 23.2985, 30.9926

Rectangle

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



24.0300, 23.2985, 54.8603



30.0881, 23.2985, 37.1473



20.3604, 23.2985, 8.9583



15.7388, 23.2985, 16.3863

Sweetspot

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



24.0308, 23.2993, 54.8609



73.6888, 76.6241, 103.3759



32.8413, 45.0614, 45.0309



15.5516, 16.1290, 22.5435



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.0308, 23.2993, 54.8609



36.3026, 33.6609, 97.0536



23.7230, 18.8973, 54.0274



9.7469, 10.1851, 12.7370



7.2959, 4.3483, 34.0114



0.3747, 0.3069, 1.4894

Inverse Universe

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



31.8608, 23.7571, 24.3798



52.3431, 35.6096, 34.3837



40.0591, 49.3147, 21.3183



10.1835, 10.1220, 11.0570



15.0786, 7.7212, 3.0600



0.6815, 0.3456, 0.2904

Previews

White Background



This preview shows how the XYZ color 24.0300, 23.2985, 54.8603 looks on a white background.

Color Contrast Check

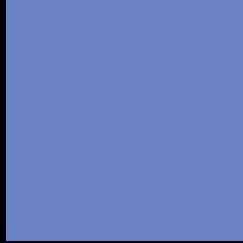
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0300, 23.2985, 54.8603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

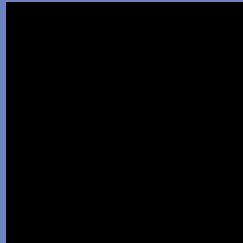
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

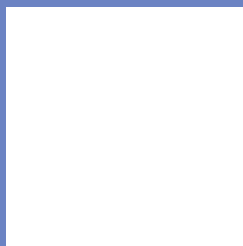
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0300, 23.2985, 54.8603

Background



This preview shows how black text looks on a background with the XYZ color 24.0300, 23.2985, 54.8603.

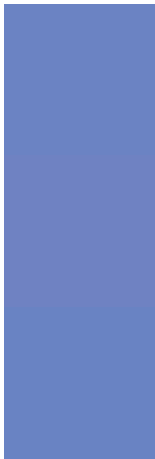


This preview shows how white text looks on a background with the XYZ color 24.0300, 23.2985,

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

24.0300, 23.2985, 54.8603

Protanopia

24.2758, 23.2398, 54.2452

Deuteranopia

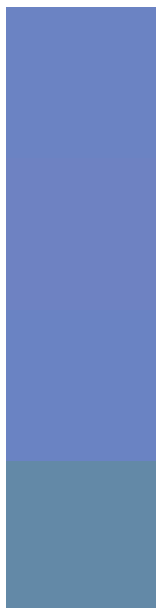
23.7923, 23.1760, 54.8492



Tritanopia

19.6833, 23.4234, 32.7619

Trichromacy



Original Color

24.0300, 23.2985, 54.8603

Protanomaly

24.1506, 23.1753, 54.2393

Deuteranomaly

23.9105, 23.2369, 54.8547

Tritanomaly

21.0663, 23.3340, 39.9528

Monochromacy



Original Color

24.0300, 23.2985, 54.8603

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.9751, 22.7033, 33.7958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0300, 23.2985, 54.8603 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, 131, 195)` looks like.

```
.text, #text, p{  
    color:rgb(107, 131, 195)  
}
```

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, 131, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 131, 195) }
```

Border

The CSS property to change the border of an element to XYZ 24.0300, 23.2985, 54.8603 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, 131, 195) }
```


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

```
.border{ border-color:rgb(107, 131, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 131, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 131, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 131, 195);  
box-shadow:4px 4px 4px 4px rgb(107, 131,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0300, 23.2985, 54.8603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 131, 195) }
```

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

```
.background{ background-color: rgb(107,  
131, 195) }
```

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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