

Converting Colors

XYZ(23.0305, 23.2202, 50.9165)

Have a look what the booklet for
XYZ(23.0305, 23.2202, 50.9165)
contains.

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Color

**XYZ(23.0581, 23.2895,
50.8570)**

Conversions

Conversions Part 1

Format	Color
Hex	6785BC
RGB	103, 133, 188
RGB Percent	40%, 52%, 74%
CMY	0.5961, 0.4784, 0.2627
CMYK	0.45, 0.29, 0.00, 0.26
HSL	219°, 39%, 57%
HSV	219°, 45%, 74%
XYZ	23.0581, 23.2895, 50.8570
YIQ	130.3000, -35.5350, 10.7450

Conversions

Conversions Part 2

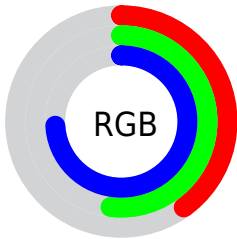
Format	Color
R _Y B	103, 125, 188
Decimal	6784444
CIE Lab	55.37, 4.21, -32.13
CIE LCh	55, 32.401, 277.472
Yxy	23.2895, 0.2372, 0.2396
Android (android.graphics.Color)	4284974524 (0xFF6785BC)
YUV	130.3000, 28.4461, -23.9421
Hunter-Lab	48.2592, 0.8332, -28.7002

Details

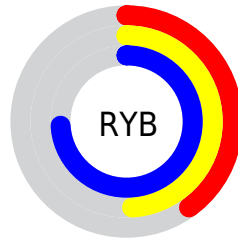
The XYZ color **23.0581, 23.2895, 50.8570** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **35.4146, 36.1250, 17.9390**, and the grayscale version is **21.2364, 22.3423, 24.3308**.

A 20% lighter version of the original color is **47.9886, 48.9186, 92.5009**, and **8.7400, 8.7148, 23.7757** is the 20% darker color. If you saturate the color by 10%, you get **19.5692, 19.1604, 50.2443**, and if you desaturate by 10%, it is **27.2263, 28.0560, 51.5578**.

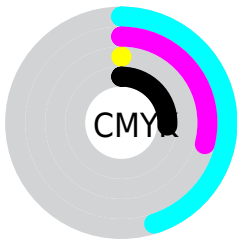
Distribution



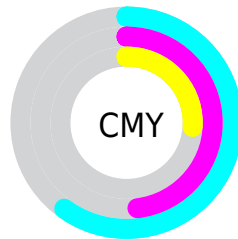
- Red (40%)
- Green (52%)
- Blue (74%)



- Red (40%)
- Yellow (49%)
- Blue (74%)



- Cyan (45%)
- Magenta (29%)
- Yellow (0%)
- Black (26%)



- Cyan (60%)
- Magenta (48%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0581, 23.2895, 50.8570 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 23.0581, 23.2895, 50.8570 by changing the saturation by 10% instead.

■ 23.0581, 23.2895,
50.8570

■ 23.0581, 23.2895,
50.8570

260.5530,
269.2085, 406.8386

■ 14.7573, 14.8074,
35.7189

■ 47.9547, 48.8682,
92.8527

■ 8.7345, 8.6843,
23.9292

■ 65.2812, 66.7337,
120.5474

■ 4.6241, 4.5359,
15.0694

■ 86.3470, 88.4957,
153.2646

■ 2.0609, 1.9776,
8.7209

■ 111.5175,
114.5388, 191.4230

■ 0.6678, 0.5944,
4.4653

141.1580,
145.2471, 235.4410

■ 0.0000, 0.0000,
1.8839

175.6338,

■ 0.0000, 0.0000,

181.0053, 285.7373

0.4825

215.3104,
222.1976, 342.7303

■ 0.0000, 0.0000,
0.0000

■ 23.0581, 23.2895,
50.8570

■ 23.0581, 23.2895,
50.8570

■ 19.5692, 19.1604,
50.2443

■ 27.2263, 28.0560,
51.5578

■ 16.7178, 15.6362,
49.7144

■ 32.1075, 33.4853,
52.3485

■ 14.4607, 12.6846,
49.2636

■ 37.7359, 39.6042,
53.2329

■ 12.7478, 10.2691,
48.8877

■ 44.1426, 46.4372,
54.2141

■ 11.5188, 8.3469,
48.5814

■ 51.3571, 54.0078,
55.2951

■ 11.0461, 7.5688,
48.4561

■ 59.4071, 62.3380,
56.4788

■ 68.3191, 71.4491,
57.7677

■ 78.1183, 81.3613,
59.1644

■ 82.2138, 88.6841,
60.3620

Harmonies

Analogous

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



19.5628, 23.2895, 48.7271



23.0581, 23.2895, 50.8570



26.6698, 23.2895, 44.8105

Triad

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



23.0581, 23.2895, 50.8570



28.1642, 23.2895, 15.0194



16.2833, 23.2895, 18.4317

Complementary

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



23.0581, 23.2895, 50.8570



35.4146, 36.1250, 17.9390

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.



18.1475, 23.2895, 12.5510



23.0581, 23.2895, 50.8570



24.9254, 23.2895, 10.9905

Square

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



23.0581, 23.2895, 50.8570



29.8206, 23.2895, 22.8414



21.2388, 23.2895, 10.2308



15.8998, 23.2895, 28.0536

Rectangle

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



23.0581, 23.2895, 50.8570



28.5725, 23.2895, 37.7267



21.2388, 23.2895, 10.2308



16.7468, 23.2895, 16.0401

Sweetspot

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



23.0589, 23.2904, 50.8576



69.4672, 72.9343, 96.6426



29.6490, 41.2792, 38.2295



14.4329, 15.1397, 20.7041



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.0589, 23.2904, 50.8576



35.6543, 34.9525, 91.0935



20.9110, 16.9319, 49.7435



9.2846, 9.7615, 12.0670



7.5847, 5.2811, 33.0125



0.3595, 0.3316, 1.3139

Inverse Universe

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



29.8236, 22.0861, 24.8824



49.7289, 33.6119, 36.7881



38.4876, 46.2543, 19.7322



9.6655, 9.5905, 10.6275



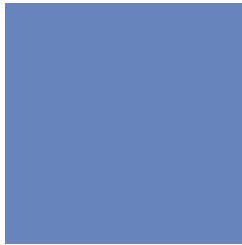
14.8292, 7.5628, 4.3940



0.6124, 0.3088, 0.3379

Previews

White Background



This preview shows how the XYZ color 23.0581, 23.2895, 50.8570 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 23.0581, 23.2895, 50.8570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

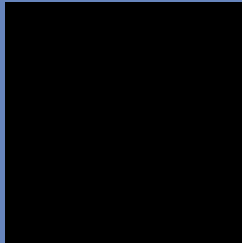
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

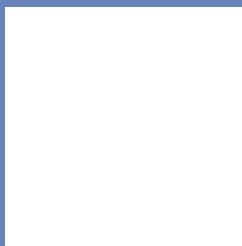
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0581, 23.2895, 50.8570

Background



This preview shows how black text looks on a background with the XYZ color 23.0581, 23.2895, 50.8570.

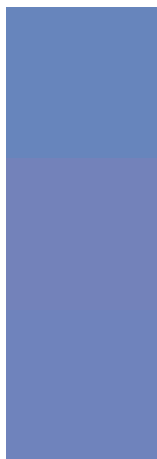


This preview shows how white text looks on a background with the XYZ color 23.0581, 23.2895,

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

23.0581, 23.2895, 50.8570

Protanopia

23.9158, 23.1553, 49.6633

Deuteranopia

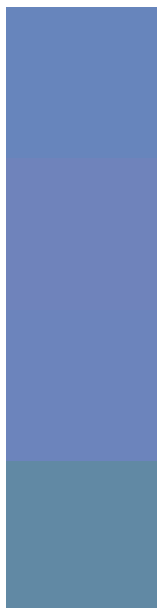
23.7489, 23.2429, 50.8116



Tritanopia

19.4782, 23.3177, 32.7523

Trichromacy



Original Color

23.0581, 23.2895, 50.8570

Protanomaly

23.6415, 23.2000, 50.2457

Deuteranomaly

23.5127, 23.3215, 50.8392

Tritanomaly

20.5763, 23.1130, 38.4987

Monochromacy



Original Color

23.0581, 23.2895, 50.8570

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.4479, 22.4600, 32.4829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0581, 23.2895, 50.8570 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(103, 133, 188)` looks like.

```
.text, #text, p{  
    color:rgb(103, 133, 188)  
}
```

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(103, 133, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 133, 188) }
```

Border

The CSS property to change the border of an element to XYZ 23.0581, 23.2895, 50.8570 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(103, 133, 188) }
```


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

```
.border{ border-color:rgb(103, 133, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 133, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 133, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 133, 188);  
box-shadow:4px 4px 4px 4px rgb(103, 133,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0581, 23.2895, 50.8570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 133, 188) }
```

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

```
.background{ background-color: rgb(103,  
133, 188) }
```

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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