

Converting Colors

XYZ(23.2858, 23.8578, 51.5224)

Have a look what the booklet for
XYZ(23.2858, 23.8578, 51.5224)
contains.

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Color

**XYZ(23.2161, 23.7688,
51.5083)**

Conversions

Conversions Part 1

Format	Color
Hex	6587BD
RGB	101, 135, 189
RGB Percent	40%, 53%, 74%
CMY	0.6039, 0.4706, 0.2588
CMYK	0.47, 0.29, 0.00, 0.26
HSL	217°, 40%, 57%
HSV	217°, 47%, 74%
XYZ	23.2161, 23.7688, 51.5083
YIQ	130.9900, -37.5980, 9.5860

Conversions

Conversions Part 2

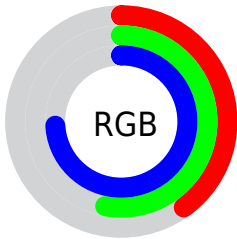
Format	Color
R_{YB}	101, 126, 189
Decimal	6653885
CIE _{Lab}	55.86, 2.83, -31.95
CIE _{LCh}	56, 32.072, 275.059
Yxy	23.7688, 0.2357, 0.2413
Android (android.graphics.Color)	4284843965 (0xFF6587BD)
YUV	130.9900, 28.5989, -26.3012
Hunter-Lab	48.7533, -0.3172, -28.5132

Details

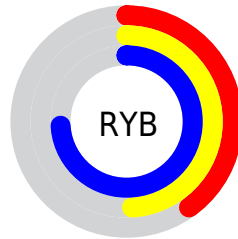
The XYZ color **23.2161, 23.7688, 51.5083** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **35.0573, 35.2020, 17.2598**, and the grayscale version is **21.4813, 22.6000, 24.6114**.

A 20% lighter version of the original color is **48.1750, 49.6269, 93.4261**, and **8.8277, 8.9857, 24.1908** is the 20% darker color. If you saturate the color by 10%, you get **19.8073, 19.7391, 50.9106**, and if you desaturate by 10%, it is **27.2894, 28.4036, 52.1887**.

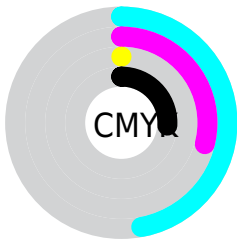
Distribution



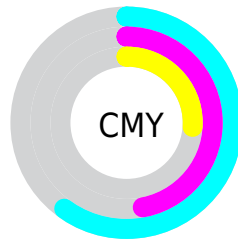
- Red (40%)
- Green (53%)
- Blue (74%)



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



- Cyan (47%)
- Magenta (29%)
- Yellow (0%)
- Black (26%)



- Cyan (60%)
- Magenta (47%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2161, 23.7688, 51.5083 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 23.2161, 23.7688, 51.5083 by changing the saturation by 10% instead.

■ 23.2161, 23.7688,
51.5083

■ 23.2161, 23.7688,
51.5083

261.3476,
271.6495, 409.4382

■ 14.8747, 15.1622,
36.2338

■ 48.2120, 49.6527,
93.8249

■ 8.8173, 8.9333,
24.3237

■ 65.5972, 67.6987,
121.7040

■ 4.6783, 4.6977,
15.3595

■ 86.7277, 89.6600,
154.6217

■ 2.0926, 2.0710,
8.9226

■ 111.9689,
115.9210, 192.9965

■ 0.6852, 0.6482,
4.5946

141.6862,
146.8661, 237.2471

■ 0.0000, 0.0000,
1.9569

176.2448,

■ 0.0000, 0.0000,

182.8796, 287.7919

0.5286

216.0102,
224.3459, 345.0494

■ 0.0000, 0.0000,
0.0000

■ 23.2161, 23.7688,
51.5083

■ 23.2161, 23.7688,
51.5083

■ 19.8073, 19.7391,
50.9106

■ 27.2894, 28.4036,
52.1887

■ 17.0212, 16.2834,
50.3904

■ 32.0608, 33.6676,
52.9532

■ 14.8144, 13.3708,
49.9446

■ 37.5642, 39.5862,
53.8056

■ 13.1364, 10.9662,
49.5689

■ 43.8308, 46.1829,
54.7486

■ 11.9216, 9.0257,
49.2583

■ 50.8896, 53.4797,
55.7850

■ 11.5694, 8.4422,
49.1643

■ 58.7682, 61.4976,
56.9173

■ 67.4929, 70.2567,
58.1482

■ 77.0886, 79.7763,
59.4799

■ 81.4041, 86.8915,
60.6258

Harmonies

Analogous

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



19.7594, 23.7688, 48.7184



23.2161, 23.7688, 51.5083



26.8675, 23.7688, 46.0657

Triad

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



23.2161, 23.7688, 51.5083



28.8371, 23.7688, 15.9663



16.8066, 23.7688, 18.2961

Complementary

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



23.2161, 23.7688, 51.5083



35.0573, 35.2020, 17.2598

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.



18.7952, 23.7688, 12.6676



23.2161, 23.7688, 51.5083



25.6821, 23.7688, 11.5984

Square

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



23.2161, 23.7688, 51.5083



30.3283, 23.7688, 24.1479



21.9783, 23.7688, 10.5780



16.2970, 23.7688, 27.6934

Rectangle

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



23.2161, 23.7688, 51.5083



28.8469, 23.7688, 39.1830



21.9783, 23.7688, 10.5780



17.3129, 23.7688, 15.9910

Sweetspot

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



23.2169, 23.7697, 51.5089



69.7735, 73.5471, 96.7447



29.3812, 41.4889, 36.9450



14.5073, 15.2886, 20.7289



90.7827, 95.5105, 104.0109



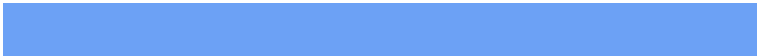
18.6292, 19.5994, 21.3438

Same Dimension

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



23.2169, 23.7697, 51.5089



35.2889, 35.1276, 91.1466



20.2454, 16.2846, 50.2207



9.3106, 9.8136, 12.0757



7.8534, 5.8185, 33.1021



0.3714, 0.3555, 1.3179

Inverse Universe

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



30.0138, 21.8763, 25.5632



49.3233, 32.6028, 37.2626



39.4161, 47.0626, 19.3194



9.6786, 9.5958, 10.6967



14.9648, 7.6171, 5.1082



0.6184, 0.3112, 0.3696

Previews

White Background



This preview shows how the XYZ color 23.2161, 23.7688, 51.5083 looks on a white background.

Color Contrast Check

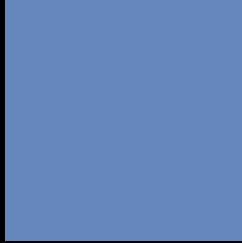
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2161, 23.7688, 51.5083 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 23.2161, 23.7688, 51.5083

Background



This preview shows how black text looks on a background with the XYZ color 23.2161, 23.7688, 51.5083.

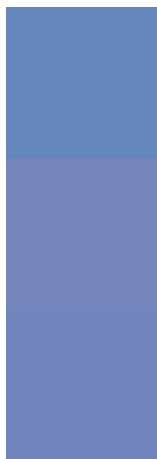


This preview shows how white text looks on a background with the XYZ color 23.2161, 23.7688,

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

23.2161, 23.7688, 51.5083

Protanopia

24.4503, 23.8296, 49.7653

Deuteranopia

24.3556, 23.7309, 52.0121



Tritanopia

19.6392, 23.8196, 33.6995

Trichromacy



Original Color

23.2161, 23.7688, 51.5083

Protanomaly

23.9127, 23.7424, 50.3361

Deuteranomaly

23.9885, 23.7440, 52.0339

Tritanomaly

20.7316, 23.5981, 39.5386

Monochromacy



Original Color

23.2161, 23.7688, 51.5083

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.6645, 22.7626, 32.9575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2161, 23.7688, 51.5083 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(101, 135, 189)` looks like.

```
.text, #text, p{  
    color:rgb(101, 135, 189)  
}
```

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(101, 135, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 135, 189) }
```

Border

The CSS property to change the border of an element to XYZ 23.2161, 23.7688, 51.5083 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(101, 135, 189) }
```


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

```
.border{ border-color:rgb(101, 135, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 135, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 135, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 135, 189);  
box-shadow:4px 4px 4px 4px rgb(101, 135,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2161, 23.7688, 51.5083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 135, 189) }
```

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

```
.background{ background-color: rgb(101,  
135, 189) }
```

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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