

Converting Colors

XYZ(23.7878, 23.0801, 68.1669)

Have a look what the booklet for
XYZ(23.7878, 23.0801, 68.1669)
contains.

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Color

**XYZ(23.7878, 23.0801,
68.1669)**

Conversions

Conversions Part 1

Format	Color
Hex	4E84D8
RGB	78, 132, 216
RGB Percent	31%, 52%, 85%
CMY	0.6941, 0.4823, 0.1529
CMYK	0.64, 0.39, 0.00, 0.15
HSL	217°, 64%, 58%
HSV	217°, 64%, 85%
XYZ	23.7878, 23.0801, 68.1669
YIQ	125.4300, -59.1480, 14.6760

Conversions

Conversions Part 2

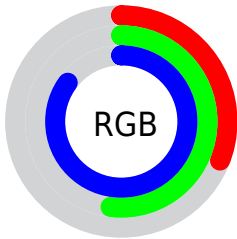
Format	Color
R_{YB}	78, 117, 216
Decimal	5145816
CIE _{Lab}	55.15, 8.39, -48.41
CIE _{LCh}	55, 49.136, 279.836
Yxy	23.0801, 0.2068, 0.2006
Android (android.graphics.Color)	4283335896 (0xFF4E84D8)
YUV	125.4300, 44.6510, -41.5961
Hunter-Lab	48.0418, 4.3109, -50.4979

Details

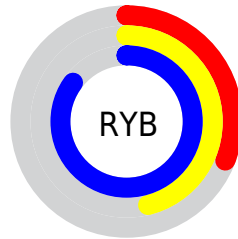
The XYZ color **23.7878, 23.0801, 68.1669** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **42.6160, 40.9922, 12.8753**, and the grayscale version is **19.5073, 20.5232, 22.3497**.

A 20% lighter version of the original color is **46.0464, 47.4069, 101.3313**, and **9.5263, 8.7597, 34.9069** is the 20% darker color. If you saturate the color by 10%, you get **20.6279, 18.9692, 67.5404**, and if you desaturate by 10%, it is **27.7553, 27.9415, 68.8966**.

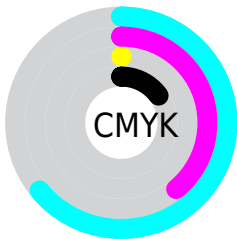
Distribution



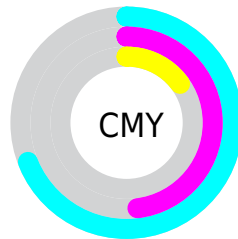
- Red (31%)
- Green (52%)
- Blue (85%)



- Red (31%)
- Yellow (46%)
- Blue (85%)



- Cyan (64%)
- Magenta (39%)
- Yellow (0%)
- Black (15%)



- Cyan (69%)
- Magenta (48%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7878, 23.0801, 68.1669 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 23.7878, 23.0801, 68.1669 by changing the saturation by 10% instead.

■ 23.7878, 23.0801,
68.1669

■ 23.7878, 23.0801,
68.1669

264.2063,
268.1361, 472.7012

■ 15.3002, 14.6527,
49.5660

■ 49.1409, 48.5248,
118.2473

■ 9.1180, 8.5760,
34.6999

■ 66.7371, 66.3109,
150.5640

■ 4.8760, 4.4657,
23.1501

■ 88.1001, 87.9853,
188.2896

■ 2.2087, 1.9373,
14.4980

■ 113.5955,
113.9324, 231.8427

■ 0.7473, 0.5707,
8.3252

143.5884,
144.5367, 281.6419

■ 0.0000, 0.0000,
4.2130

178.4443,

■ 0.0000, 0.0000,

180.1825, 338.1057

1.7429

218.5285,
221.2541, 401.6526

■ 0.0000, 0.0000,
0.3899

■ 0.0000, 0.0000,
0.0000

■ 23.7878, 23.0801,
68.1669

■ 23.7878, 23.0801,
68.1669

■ 20.6279, 18.9692,
67.5404

■ 27.7553, 27.9415,
68.8966

■ 18.2050, 15.5592,
67.0100

■ 32.5868, 33.5935,
69.7329

■ 16.4393, 12.7961,
66.5697

■ 38.3366, 40.0752,
70.6810

■ 15.6054, 11.3791,
66.3401

■ 45.0532, 47.4226,
71.7452

■ 52.7818, 55.6689,
72.9295

■ 61.5644, 64.8458,
74.2379

■ 71.4407, 74.9830,
75.6741

■ 82.4481, 86.1091,
77.2415

■ 87.9252, 94.7987,
78.6301

Harmonies

Analogous

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



18.4996, 23.0801, 65.4671



23.7878, 23.0801, 68.1669



29.4078, 23.0801, 56.1786

Triad

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



23.7878, 23.0801, 68.1669



31.0698, 23.0801, 10.3258



13.4536, 23.0801, 16.0927

Complementary

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



23.7878, 23.0801, 68.1669



42.6160, 40.9922, 12.8753

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.



15.8524, 23.0801, 8.3438



23.7878, 23.0801, 68.1669



25.7757, 23.0801, 6.1068

Square

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



23.7878, 23.0801, 68.1669



34.0514, 23.0801, 20.3169



20.1847, 23.0801, 5.5752



13.1021, 23.0801, 30.6495

Rectangle

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



23.7878, 23.0801, 68.1669



32.3735, 23.0801, 43.5610



20.1847, 23.0801, 5.5752



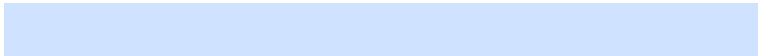
14.0256, 23.0801, 12.8065

Sweetspot

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



23.7887, 23.0809, 68.1675



70.7192, 74.5459, 105.2692



34.1142, 53.2984, 42.1170



14.4575, 15.2281, 22.4273



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.



23.7887, 23.0809, 68.1675



28.5638, 25.6008, 98.0437



19.5140, 12.6731, 66.3839



12.1372, 12.7978, 15.7680



9.3347, 6.9311, 39.2990



0.6424, 0.5767, 2.3968

Inverse Universe

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



35.2090, 21.7148, 24.1660



47.1929, 26.1148, 25.6518



50.3431, 62.2469, 16.5706



12.6224, 12.5005, 13.9520



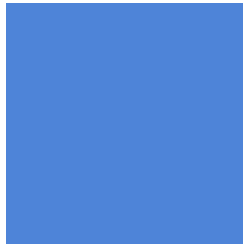
17.7706, 9.0445, 6.0958



1.1119, 0.5615, 0.5785

Previews

White Background



This preview shows how the XYZ color 23.7878, 23.0801, 68.1669 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 23.7878, 23.0801, 68.1669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

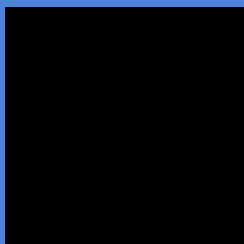
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

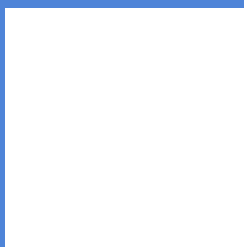
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7878, 23.0801, 68.1669

Background



This preview shows how black text looks on a background with the XYZ color 23.7878, 23.0801, 68.1669.

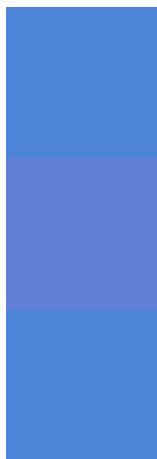


This preview shows how white text looks on a background with the XYZ color 23.7878, 23.0801,

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

23.7878, 23.0801, 68.1669

Protanopia

24.8975, 23.1013, 66.0975

Deuteranopia

23.7878, 23.0801, 68.1669



Tritanopia

17.2083, 23.2090, 35.0253

Trichromacy



Original Color

23.7878, 23.0801, 68.1669

Protanomaly

24.4346, 23.0444, 66.7785

Deuteranomaly

23.7878, 23.0801, 68.1669

Tritanomaly

19.1013, 22.8404, 45.5214

Monochromacy



Original Color

23.7878, 23.0801, 68.1669

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.0751, 21.0951, 35.3614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7878, 23.0801, 68.1669 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(78, 132, 216)` looks like.

```
.text, #text, p{  
    color:rgb(78, 132, 216)  
}
```

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(78, 132, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 132, 216) }
```

Border

The CSS property to change the border of an element to XYZ 23.7878, 23.0801, 68.1669 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(78, 132, 216) }
```


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

```
.border{ border-color:rgb(78, 132, 216) }
```

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

Here you see how a box with a 4 pixel rgb(78, 132, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 132, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 132, 216);  
box-shadow:4px 4px 4px 4px rgb(78, 132,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7878, 23.0801, 68.1669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 132, 216) }
```

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

```
.background{ background-color: rgb(78, 132,  
216) }
```

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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