

Converting Colors

XYZ(11.0076, 11.8588, 23.7795)

Have a look what the booklet for
XYZ(11.0076, 11.8588, 23.7795)
contains.

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Color

**XYZ(11.0102, 11.8104,
23.8896)**

Conversions

Conversions Part 1

Format	Color
Hex	436385
RGB	67, 99, 133
RGB Percent	26%, 39%, 52%
CMY	0.7372, 0.6118, 0.4784
CMYK	0.50, 0.26, 0.00, 0.48
HSL	211°, 33%, 39%
HSV	211°, 50%, 52%
XYZ	11.0102, 11.8104, 23.8896
YIQ	93.3080, -29.9860, 3.7900

Conversions

Conversions Part 2

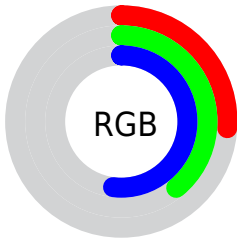
Format	Color
R _{YB}	67, 89, 133
Decimal	4416389
CIE Lab	40.91, -1.58, -22.50
CIE LCh	41, 22.557, 265.989
Yxy	11.8104, 0.2357, 0.2528
Android (android.graphics.Color)	4282606469 (0xFF436385)
YUV	93.3080, 19.5682, -23.0721
Hunter-Lab	34.3663, -2.9535, -17.1589

Details

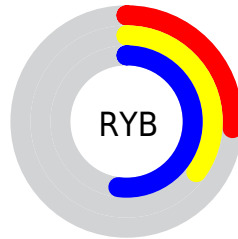
The XYZ color **11.0102, 11.8104, 23.8896** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **15.3400, 14.6996, 7.3395**, and the grayscale version is **10.4375, 10.9810, 11.9583**.

A 20% lighter version of the original color is **27.3770, 29.2798, 50.6630**, and **2.9724, 3.2419, 8.6527** is the 20% darker color. If you saturate the color by 10%, you get **9.5792, 10.1498, 23.6447**, and if you desaturate by 10%, it is **12.7065, 13.6900, 24.1632**.

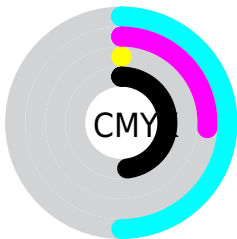
Distribution



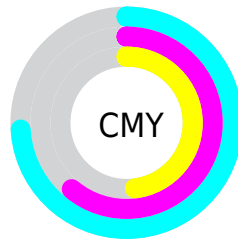
- Red (26%)
- Green (39%)
- Blue (52%)



- Red (26%)
- Yellow (35%)
- Blue (52%)



- Cyan (50%)
- Magenta (26%)
- Yellow (0%)
- Black (48%)



- Cyan (74%)
- Magenta (61%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.0102, 11.8104, 23.8896 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 11.0102, 11.8104, 23.8896 by changing the saturation by 10% instead.

■ 11.0102, 11.8104,
23.8896

■ 11.0102, 11.8104,
23.8896

191.6444,
203.1460, 285.5304

■ 6.1410, 6.6147,
15.0403

■ 27.3118, 29.1493,
50.7916

■ 2.9725, 3.2223,
8.7007

■ 39.4750, 42.0613,
69.6813

■ 1.1392, 1.2489,
4.4524

■ 54.8002, 58.3142,
92.7549

■ 0.0576, 0.1011,
1.8766

■ 73.6528, 78.2924,
120.4310

■ 0.0000, 0.0000,
0.4778

■ 96.3982, 102.3803,
153.1280

■ 0.0000, 0.0000,
0.0000

123.4016,

130.9623, 191.2646

155.0286,
164.4227, 235.2592

■ 11.0102, 11.8104,
23.8896

■ 11.0102, 11.8104,
23.8896

■ 9.5792, 10.1498,
23.6447

■ 12.7065, 13.6900,
24.1632

■ 8.3965, 8.6968,
23.4266

■ 14.6814, 15.7967,
24.4658

■ 7.4446, 7.4404,
23.2342

■ 16.9487, 18.1397,
24.7985

■ 6.7030, 6.3678,
23.0663

■ 19.5207, 20.7273,
25.1624

■ 6.1156, 5.4479,
22.9197

■ 22.4093, 23.5673,
25.5583

■ 6.0945, 5.4151,
22.9145

■ 25.6254, 26.6670,
25.9871

■ 29.1795, 30.0336,
26.4496

■ 33.0816, 33.6737,
26.9466

■ 37.3413, 37.5940,
27.4788

Harmonies

Analogous

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



9.5809, 11.8104, 21.7003



11.0102, 11.8104, 23.8896



12.6377, 11.8104, 22.5915

Triad

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



11.0102, 11.8104, 23.8896



14.2452, 11.8104, 9.3518



8.8493, 11.8104, 8.5095

Complementary

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



11.0102, 11.8104, 23.8896



15.3400, 14.6996, 7.3395

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.



9.9225, 11.8104, 6.4218



11.0102, 11.8104, 23.8896



13.0481, 11.8104, 6.8202

Square

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



11.0102, 11.8104, 23.8896



14.6063, 11.8104, 13.4899



11.4434, 11.8104, 5.8866



8.4112, 11.8104, 12.2491

Rectangle

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



11.0102, 11.8104, 23.8896



13.6030, 11.8104, 20.0577



11.4434, 11.8104, 5.8866



9.1424, 11.8104, 7.6296

Sweetspot

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



11.0106, 11.8108, 23.8899



32.2552, 34.4137, 44.6809



13.0029, 18.8887, 15.0176



7.0851, 7.5695, 10.0403



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.0106, 11.8108, 23.8899



16.7543, 17.6967, 42.2712



8.5560, 6.9015, 23.0717



4.6070, 4.8895, 5.9017



5.8131, 5.1740, 21.8290



0.0274, 0.0324, 0.0780

Inverse Universe

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



13.9325, 9.9021, 12.9817



22.8507, 14.5819, 19.3170



19.0738, 22.1671, 8.5840



4.7596, 4.7235, 5.3466



10.1123, 5.1093, 5.1637



0.0387, 0.0192, 0.0372

Previews

White Background



This preview shows how the XYZ color 11.0102, 11.8104, 23.8896 looks on a white 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

Black Background



This preview shows how the XYZ color 11.0102, 11.8104, 23.8896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

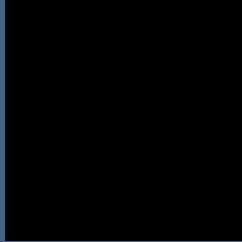
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

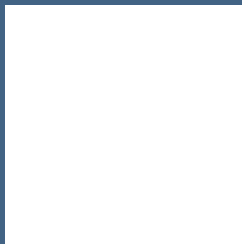
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.0102, 11.8104, 23.8896

Background



This preview shows how black text looks on a background with the XYZ color 11.0102, 11.8104, 23.8896.

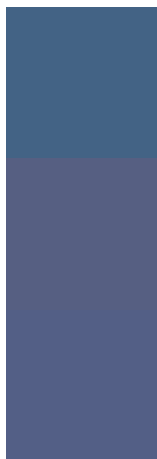


This preview shows how white text looks on a background with the XYZ color 11.0102, 11.8104,

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

11.0102, 11.8104, 23.8896

Protanopia

11.9592, 11.7746, 22.7615

Deuteranopia

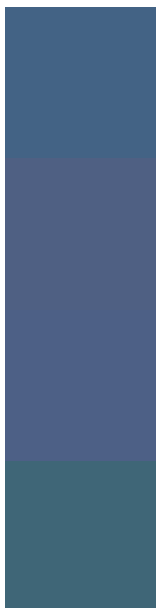
11.9626, 11.7446, 24.1907



Tritanopia

9.5830, 11.8089, 16.8132

Trichromacy



Original Color

11.0102, 11.8104, 23.8896

Protanomaly

11.5041, 11.6667, 23.1183

Deuteranomaly

11.5465, 11.6648, 24.1972

Tritanomaly

10.1310, 11.8914, 19.2141

Monochromacy



Original Color

11.0102, 11.8104, 23.8896

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.4551, 11.1519, 15.7889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.0102, 11.8104, 23.8896 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(67, 99, 133)` looks like.

```
.text, #text, p{  
    color:rgb(67, 99, 133)  
}
```

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(67, 99, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 99, 133) }
```

Border

The CSS property to change the border of an element to XYZ 11.0102, 11.8104, 23.8896 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(67, 99, 133) }
```


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

```
.border{ border-color:rgb(67, 99, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 99, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 99, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 99, 133);  
box-shadow:4px 4px 4px 4px rgb(67, 99,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 11.0102, 11.8104, 23.8896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 99, 133) }
```

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

```
.background{ background-color: rgb(67, 99,  
133) }
```

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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