

Converting Colors

XYZ(11.1088, 12.9067, 22.3163)

Have a look what the booklet for
XYZ(11.1088, 12.9067, 22.3163)
contains.

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Color

**XYZ(11.1002, 12.9233,
22.3315)**

Conversions

Conversions Part 1

Format	Color
Hex	3F6A80
RGB	63, 106, 128
RGB Percent	25%, 42%, 50%
CMY	0.7529, 0.5843, 0.4980
CMYK	0.51, 0.17, 0.00, 0.50
HSL	200°, 34%, 37%
HSV	200°, 51%, 50%
XYZ	11.1002, 12.9233, 22.3315
YIQ	95.6510, -32.6900, -2.2740

Conversions

Conversions Part 2

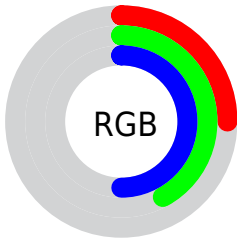
Format	Color
R_{YB}	63, 89, 128
Decimal	4156032
CIE _{Lab}	42.65, -8.39, -16.83
CIE _{LCh}	43, 18.805, 243.500
Yxy	12.9233, 0.2395, 0.2788
Android (android.graphics.Color)	4282346112 (0xFF3F6A80)
YUV	95.6510, 15.9481, -28.6349
Hunter-Lab	35.9490, -7.7941, -11.6666

Details

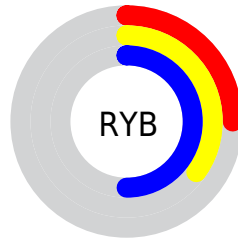
The XYZ color **11.1002, 12.9233, 22.3315** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.0482, 11.4455, 6.2246**, and the grayscale version is **11.0025, 11.5755, 12.6057**.

A 20% lighter version of the original color is **27.4677, 31.0950, 48.2703**, and **3.0253, 3.7183, 7.9554** is the 20% darker color. If you saturate the color by 10%, you get **9.9407, 11.6797, 22.1528**, and if you desaturate by 10%, it is **12.4732, 14.3110, 22.5272**.

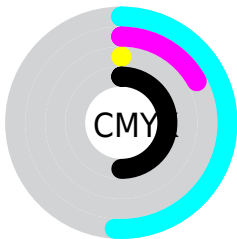
Distribution



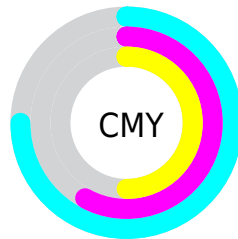
- Red (25%)
- Green (42%)
- Blue (50%)



- Red (25%)
- Yellow (35%)
- Blue (50%)



- Cyan (51%)
- Magenta (17%)
- Yellow (0%)
- Black (50%)



- Cyan (75%)
- Magenta (58%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1002, 12.9233, 22.3315 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 11.1002, 12.9233, 22.3315 by changing the saturation by 10% instead.

■ 11.1002, 12.9233,
22.3315

■ 11.1002, 12.9233,
22.3315

192.2478,
210.4255, 277.2824

■ 6.2021, 7.3758,
13.9000

■ 27.4766, 31.1659,
48.2025

■ 3.0102, 3.6982,
7.9132

■ 39.6856, 44.6298,
66.4791

■ 1.1591, 1.5062,
3.9525

■ 55.0622, 61.5012,
88.8745

■ 0.0737, 0.2931,
1.5993

■ 73.9719, 82.1646,
115.8072

■ 0.0000, 0.0000,
0.2903

■ 96.7799, 107.0043,
147.6958

■ 0.0000, 0.0000,
0.0000

123.8517,

136.4048, 184.9589

155.5525,
170.7504, 228.0149

■ 11.1002, 12.9233,
22.3315

■ 11.1002, 12.9233,
22.3315

■ 9.9407, 11.6797,
22.1528

■ 12.4732, 14.3110,
22.5272

■ 8.9797, 10.5711,
21.9895

■ 14.0709, 15.8483,
22.7397

■ 8.2023, 9.5897,
21.8410

■ 15.9051, 17.5419,
22.9700

■ 7.5904, 8.7256,
21.7065

■ 17.9863, 19.3977,
23.2185

■ 7.1195, 8.0049,
21.5922

■ 20.3245, 21.4214,
23.4859

■ 22.9291, 23.6182,
23.7726

■ 25.8089, 25.9931,
24.0792

■ 28.9723, 28.5509,
24.4062

■ 32.4275, 31.2961,
24.7540

Harmonies

Analogous

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



10.1362, 12.9233, 18.8644



11.1002, 12.9233, 22.3315



12.4513, 12.9233, 23.4521

Triad

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



11.1002, 12.9233, 22.3315



15.2276, 12.9233, 13.5974



10.8315, 12.9233, 8.4874

Complementary

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



11.1002, 12.9233, 22.3315



13.0482, 11.4455, 6.2246

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.



12.1166, 12.9233, 7.5997



11.1002, 12.9233, 22.3315



14.7139, 12.9233, 10.1677

Square

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



11.1002, 12.9233, 22.3315



14.9034, 12.9233, 17.8731



13.5474, 12.9233, 8.1498



9.9896, 12.9233, 10.8509

Rectangle

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



11.1002, 12.9233, 22.3315



13.4090, 12.9233, 22.5687



13.5474, 12.9233, 8.1498



11.2222, 12.9233, 8.0297

Sweetspot

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



11.1006, 12.9238, 22.3318



29.9391, 32.6243, 40.6754



11.3959, 17.1460, 11.2344



6.8582, 7.5031, 9.5051



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.1006, 12.9238, 22.3318



17.2039, 20.2308, 38.9545



8.3843, 7.4911, 21.4264



4.3277, 4.6493, 5.4826



7.0607, 7.9399, 21.4104



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2815, 9.1852, 14.7090



21.6761, 13.4728, 23.1193



16.1803, 17.7099, 7.2686



4.4382, 4.3884, 5.1121



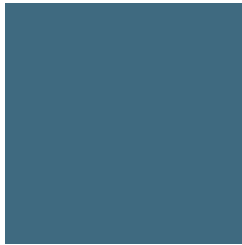
10.4409, 5.1960, 8.9114



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.1002, 12.9233, 22.3315 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 11.1002, 12.9233, 22.3315 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 11.1002, 12.9233, 22.3315

Background



This preview shows how black text looks on a background with the XYZ color 11.1002, 12.9233, 22.3315.

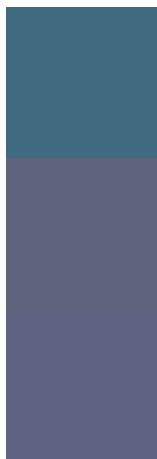


This preview shows how white text looks on a background with the XYZ color 11.1002, 12.9233,

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

11.1002, 12.9233, 22.3315

Protanopia

12.7563, 12.7866, 20.5346

Deuteranopia

13.1072, 12.9151, 22.9211



Tritanopia

10.3771, 12.9393, 18.7802

Trichromacy



Original Color

11.1002, 12.9233, 22.3315

Protanomaly

12.0203, 12.8224, 21.2435

Deuteranomaly

12.2811, 12.9267, 22.6167

Tritanomaly

10.5724, 12.8565, 20.0135

Monochromacy



Original Color

11.1002, 12.9233, 22.3315

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.9201, 12.0819, 15.9438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1002, 12.9233, 22.3315 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(63, 106, 128)` looks like.

```
.text, #text, p{  
    color:rgb(63, 106, 128)  
}
```

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(63, 106, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 106, 128) }
```

Border

The CSS property to change the border of an element to XYZ 11.1002, 12.9233, 22.3315 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(63, 106, 128) }
```


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

```
.border{ border-color:rgb(63, 106, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 106, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 106, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 106, 128);  
box-shadow:4px 4px 4px 4px rgb(63, 106,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1002, 12.9233, 22.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 106, 128) }
```

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

```
.background{ background-color: rgb(63, 106,  
128) }
```

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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