

Converting Colors

XYZ(13.0458, 13.3657, 20.6311)

Have a look what the booklet for
XYZ(13.0458, 13.3657, 20.6311)
contains.

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Color

**XYZ(13.0458, 13.3657,
20.6311)**

Conversions

Conversions Part 1

Format	Color
Hex	5F667B
RGB	95, 102, 123
RGB Percent	37%, 40%, 48%
CMY	0.6274, 0.6000, 0.5176
CMYK	0.23, 0.17, 0.00, 0.52
HSL	225°, 13%, 43%
HSV	225°, 23%, 48%
XYZ	13.0458, 13.3657, 20.6311
YIQ	102.3010, -10.9130, 5.0470

Conversions

Conversions Part 2

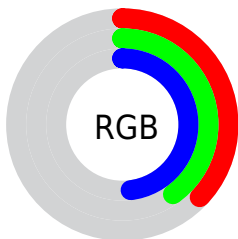
Format	Color
R_{YB}	95, 101, 123
Decimal	6252155
CIE _{Lab}	43.31, 2.27, -12.62
CIE _{LCh}	43, 12.819, 280.220
Yxy	13.3657, 0.2773, 0.2841
Android (android.graphics.Color)	4284442235 (0xFF5F667B)
YUV	102.3010, 10.2046, -6.4030
Hunter-Lab	36.5591, -0.2823, -7.8672

Details

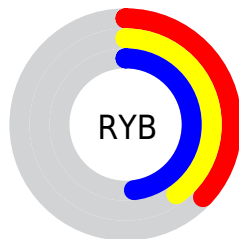
The XYZ color **13.0458, 13.3657, 20.6311** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.4794, 17.5278, 13.3414**, and the grayscale version is **12.6845, 13.3451, 14.5328**.

A 20% lighter version of the original color is **30.9832, 31.9886, 45.0989**, and **3.8211, 3.8552, 7.0213** is the 20% darker color. If you saturate the color by 10%, you get **11.0110, 11.0453, 20.2907**, and if you desaturate by 10%, it is **15.3841, 15.9930, 21.0152**.

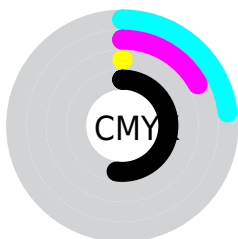
Distribution



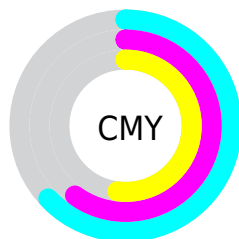
- Red (37%)
- Green (40%)
- Blue (48%)



- Red (37%)
- Yellow (40%)
- Blue (48%)



- Cyan (23%)
- Magenta (17%)
- Yellow (0%)
- Black (52%)



- Cyan (63%)
- Magenta (60%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0458, 13.3657, 20.6311 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 13.0458, 13.3657, 20.6311 by changing the saturation by 10% instead.

■ 13.0458, 13.3657,
20.6311

■ 13.0458, 13.3657,
20.6311

204.8427,
213.2483, 268.0278

■ 7.5373, 7.6808,
12.6660

■ 30.9867, 31.9592,
45.3456

■ 3.8496, 3.8914,
7.0710

■ 44.1497, 45.6367,
62.9320

■ 1.6174, 1.6130,
3.4274

■ 60.5950, 62.7472,
84.5627

■ 0.4037, 0.3663,
1.3168

■ 80.6880, 83.6750,
110.6560

■ 0.0000, 0.0000,
0.0755

104.7938,
108.8047, 141.6307

■ 0.0000, 0.0000,
0.0000

133.2780,

138.5205, 177.9052

166.5058,
173.2069, 219.8980

■ 13.0458, 13.3657,
20.6311

■ 13.0458, 13.3657,
20.6311

■ 11.0110, 11.0453,
20.2907

■ 15.3841, 15.9930,
21.0152

■ 9.2658, 9.0187,
19.9915

■ 18.0366, 18.9364,
21.4435

■ 7.7968, 7.2743,
19.7322

■ 21.0150, 22.2067,
21.9178

■ 6.5893, 5.7989,
19.5111

■ 24.3301, 25.8138,
22.4393

■ 5.6269, 4.5785,
19.3262

■ 27.9921, 29.7669,
23.0093

■ 4.8915, 3.5973,
19.1756

■ 32.0108, 34.0752,
23.6291

■ 4.3617, 2.8377,
19.0569

■ 36.3957, 38.7474,
24.2998

■ 4.0588, 2.3974,
18.9879

■ 41.1557, 43.7917,
25.0226

■ 46.2995, 49.2163,
25.7985

Harmonies

Analogous

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



12.0679, 13.3657, 20.3346



13.0458, 13.3657, 20.6311



13.9781, 13.3657, 19.1449

Triad

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



13.0458, 13.3657, 20.6311



14.2195, 13.3657, 11.2972



10.9889, 13.3657, 12.7783

Complementary

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



13.0458, 13.3657, 20.6311



16.4794, 17.5278, 13.3414

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.



11.5092, 13.3657, 10.7611



13.0458, 13.3657, 20.6311



13.3615, 13.3657, 9.9864

Square

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



13.0458, 13.3657, 20.6311



14.6788, 13.3657, 13.6033



12.3676, 13.3657, 9.8039



10.9142, 13.3657, 15.5458

Rectangle

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



13.0458, 13.3657, 20.6311



14.4356, 13.3657, 17.4441



12.3676, 13.3657, 9.8039



11.1162, 13.3657, 12.0004

Sweetspot

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



13.0462, 13.3662, 20.6314



30.1340, 31.5154, 38.0515



14.9278, 17.8491, 19.0397



7.0483, 7.3684, 8.9538



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.0462, 13.3662, 20.6314



21.5102, 21.8317, 36.6368



13.0943, 12.4123, 20.4447



3.8716, 4.0414, 5.0192



4.1949, 2.4722, 19.6414



19.4266, 10.6258, 93.4969

Inverse Universe

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



14.6592, 13.3550, 14.3761



24.9251, 21.8891, 23.3751



16.4134, 18.7374, 13.5783



4.0356, 4.0300, 4.3853



8.7007, 4.4564, 1.7149



41.2088, 21.1399, 6.6296

Previews

White Background



This preview shows how the XYZ color 13.0458, 13.3657, 20.6311 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 13.0458, 13.3657, 20.6311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

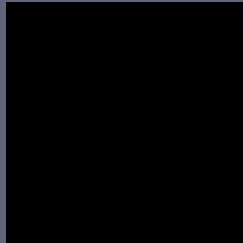
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

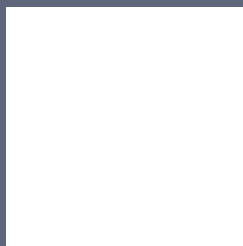
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0458, 13.3657, 20.6311

Background



This preview shows how black text looks on a background with the XYZ color 13.0458, 13.3657, 20.6311.

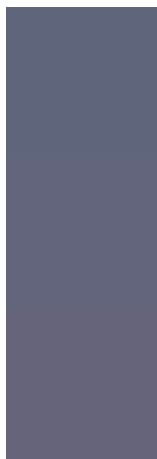


This preview shows how white text looks on a background with the XYZ color 13.0458, 13.3657,

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

13.0458, 13.3657, 20.6311

Protanopia

13.2658, 13.3341, 20.6134

Deuteranopia

13.6118, 13.3692, 20.6020



Tritanopia

12.3891, 13.3976, 17.2623

Trichromacy



Original Color

13.0458, 13.3657, 20.6311

Protanomaly

13.1586, 13.2788, 20.6084

Deuteranomaly

13.3744, 13.3901, 20.6185

Tritanomaly

12.6187, 13.3411, 18.4330

Monochromacy



Original Color

13.0458, 13.3657, 20.6311

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7114, 13.2812, 16.6454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0458, 13.3657, 20.6311 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(95, 102, 123) looks like.

```
.text, #text, p{  
    color:rgb(95, 102, 123)  
}
```

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(95, 102, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 102, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.0458, 13.3657, 20.6311 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(95, 102, 123) }
```


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

```
.border{ border-color:rgb(95, 102, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 102, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 102, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 102, 123);  
box-shadow:4px 4px 4px 4px rgb(95, 102,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0458, 13.3657, 20.6311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 102, 123) }
```

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

```
.background{ background-color: rgb(95, 102,  
123) }
```

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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