

Converting Colors

XYZ(13.4355, 15.9344, 22.1062)

Have a look what the booklet for
XYZ(13.4355, 15.9344, 22.1062)
contains.

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Color

**XYZ(13.4355, 15.9344,
22.1062)**

Conversions

Conversions Part 1

Format	Color
Hex	50757E
RGB	80, 117, 126
RGB Percent	31%, 46%, 49%
CMY	0.6863, 0.5412, 0.5059
CMYK	0.37, 0.07, 0.00, 0.51
HSL	192°, 22%, 40%
HSV	192°, 37%, 49%
XYZ	13.4355, 15.9344, 22.1062
YIQ	106.9630, -24.9410, -5.0450

Conversions

Conversions Part 2

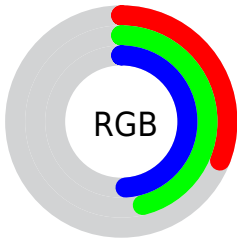
Format	Color
R _Y B	80, 101, 126
Decimal	5272958
CIE Lab	46.89, -10.61, -9.12
CIE LCh	47, 13.991, 220.681
Yxy	15.9344, 0.2610, 0.3095
Android (android.graphics.Color)	4283463038 (0xFF50757E)
YUV	106.9630, 9.3852, -23.6466
Hunter-Lab	39.9179, -9.7771, -4.8918

Details

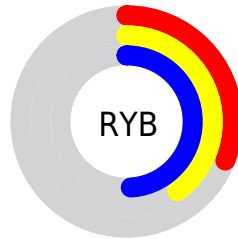
The XYZ color **13.4355, 15.9344, 22.1062** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.6249, 12.1600, 9.2190**, and the grayscale version is **13.9451, 14.6713, 15.9770**.

A 20% lighter version of the original color is **31.6847, 36.4559, 48.0146**, and **4.0328, 5.0834, 7.7898** is the 20% darker color. If you saturate the color by 10%, you get **12.1865, 14.8701, 21.9669**, and if you desaturate by 10%, it is **14.8926, 17.1180, 22.2581**.

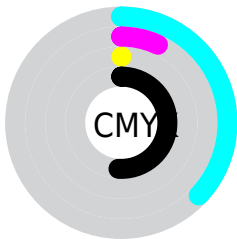
Distribution



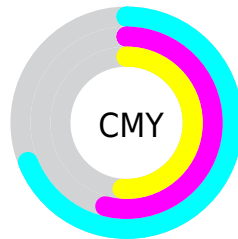
- Red (31%)
- Green (46%)
- Blue (49%)



- Red (31%)
- Yellow (40%)
- Blue (49%)



- Cyan (37%)
- Magenta (7%)
- Yellow (0%)
- Black (51%)



- Cyan (69%)
- Magenta (54%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4355, 15.9344, 22.1062 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 13.4355, 15.9344, 22.1062 by changing the saturation by 10% instead.

■ 13.4355, 15.9344,
22.1062

■ 13.4355, 15.9344,
22.1062

207.2719,
228.9543, 276.0720

■ 7.8082, 9.4777,
13.7359

■ 31.6787, 36.4843,
47.8259

■ 4.0232, 5.0541,
7.8006

■ 45.0253, 51.3463,
66.0124

■ 1.7153, 2.2790,
3.8817

■ 61.6756, 69.7789,
88.3080

■ 0.4658, 0.7626,
1.5606

■ 81.9952, 92.1665,
115.1313

■ 0.0000, 0.0000,
0.2625

■ 106.3492,
118.8934, 146.9008

■ 0.0000, 0.0000,
0.0000

135.1031,

150.3441, 184.0350

168.6222,
186.9029, 226.9526

■ 13.4355, 15.9344,
22.1062

■ 13.4355, 15.9344,
22.1062

■ 12.1865, 14.8701,
21.9669

■ 14.8926, 17.1180,
22.2581

■ 11.1328, 13.9173,
21.8385

■ 16.5667, 18.4243,
22.4220

■ 10.2627, 13.0701,
21.7208

■ 18.4680, 19.8592,
22.5988

■ 9.5623, 12.3215,
21.6132

■ 20.6054, 21.4273,
22.7888

■ 9.0159, 11.6630,
21.5150

■ 22.9876, 23.1332,
22.9925

■ 8.5933, 11.0792,
21.4245

■ 25.6227, 24.9810,
23.2103

■ 8.4537, 10.8820,
21.3938

■ 28.5184, 26.9749,
23.4426

■ 31.6822, 29.1188,
23.6896

■ 35.1211, 31.4165,
23.9519

Harmonies

Analogous

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



12.9557, 15.9344, 18.6246



13.4355, 15.9344, 22.1062



14.3825, 15.9344, 24.4908

Triad

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



13.4355, 15.9344, 22.1062



17.4677, 15.9344, 19.6679



14.7147, 15.9344, 11.5516

Complementary

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



13.4355, 15.9344, 22.1062



13.6249, 12.1600, 9.2190

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.



15.9343, 15.9344, 11.7524



13.4355, 15.9344, 22.1062



17.5684, 15.9344, 16.1346

Square

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



13.4355, 15.9344, 22.1062



16.7258, 15.9344, 22.9576



16.9941, 15.9344, 13.3299



13.6674, 15.9344, 12.7389

Rectangle

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



13.4355, 15.9344, 22.1062



15.1731, 15.9344, 24.9691



16.9941, 15.9344, 13.3299



15.1173, 15.9344, 11.4635

Sweetspot

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



13.4360, 15.9350, 22.1066



30.8664, 33.7274, 39.6276



12.5490, 17.3394, 12.0129



6.9397, 7.6104, 9.0063



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.



13.4360, 15.9350, 22.1066



21.7534, 26.4386, 38.7010



11.1279, 11.3189, 21.3372



4.3772, 4.7484, 5.4991



8.6697, 11.1579, 21.9467



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6842, 11.4578, 18.2679



24.3569, 17.5318, 30.5976



15.7844, 16.4789, 9.9388



4.4632, 4.3984, 5.2439



11.2530, 5.5209, 13.1881



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4355, 15.9344, 22.1062 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 13.4355, 15.9344, 22.1062 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 13.4355, 15.9344, 22.1062

Background



This preview shows how black text looks on a background with the XYZ color 13.4355, 15.9344, 22.1062.

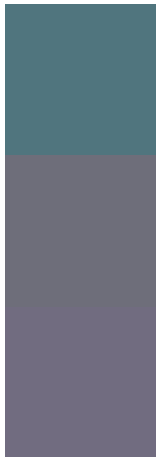


This preview shows how white text looks on a background with the XYZ color 13.4355, 15.9344,

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

13.4355, 15.9344, 22.1062

Protanopia

15.5192, 15.8720, 20.6580

Deuteranopia

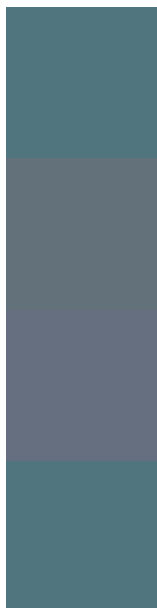
16.0689, 15.7943, 22.6238



Tritanopia

13.4355, 15.9344, 22.1062

Trichromacy



Original Color

13.4355, 15.9344, 22.1062

Protanomaly

14.6259, 15.8930, 21.0357

Deuteranomaly

14.8820, 15.6679, 22.3185

Tritanomaly

13.4355, 15.9344, 22.1062

Monochromacy



Original Color

13.4355, 15.9344, 22.1062

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6515, 15.1252, 18.1195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4355, 15.9344, 22.1062 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(80, 117, 126) looks like.

```
.text, #text, p{  
    color:rgb(80, 117, 126)  
}
```

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(80, 117, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 117, 126) }
```

Border

The CSS property to change the border of an element to XYZ 13.4355, 15.9344, 22.1062 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(80, 117, 126) }
```


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

```
.border{ border-color:rgb(80, 117, 126) }
```

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

Here you see how a box with a 4 pixel rgb(80, 117, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 117, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 117, 126);  
box-shadow:4px 4px 4px 4px rgb(80, 117,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4355, 15.9344, 22.1062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 117, 126) }
```

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

```
.background{ background-color: rgb(80, 117,  
126) }
```

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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