

Converting Colors

XYZ(15.5569, 23.6096, 20.6676)

Have a look what the booklet for
XYZ(15.5569, 23.6096, 20.6676)
contains.

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Color

**XYZ(15.5339, 23.5915,
20.5645)**

Conversions

Conversions Part 1

Format	Color
Hex	379575
RGB	55, 149, 117
RGB Percent	22%, 58%, 46%
CMY	0.7843, 0.4157, 0.5412
CMYK	0.63, 0.00, 0.21, 0.42
HSL	160°, 46%, 40%
HSV	160°, 63%, 58%
XYZ	15.5339, 23.5915, 20.5645
YIQ	117.2460, -45.7520, -29.8800

Conversions

Conversions Part 2

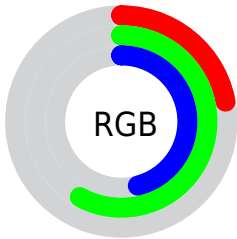
Format	Color
R_{YB}	55, 112, 149
Decimal	3642741
CIE _{Lab}	55.68, -35.58, 8.83
CIE _{LCh}	56, 36.660, 166.061
Yxy	23.5915, 0.2602, 0.3952
Android (android.graphics.Color)	4281832821 (0xFF379575)
YUV	117.2460, -0.1213, -54.5897
Hunter-Lab	48.5711, -27.9119, 8.8970

Details

The XYZ color **15.5339, 23.5915, 20.5645** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.4817, 9.8107, 10.0955**, and the grayscale version is **16.9960, 17.8811, 19.4725**.

A 20% lighter version of the original color is **35.4364, 49.4950, 45.2219**, and **5.3489, 8.9791, 7.0814** is the 20% darker color. If you saturate the color by 10%, you get **14.5476, 23.1172, 19.0037**, and if you desaturate by 10%, it is **16.7841, 24.2012, 22.2231**.

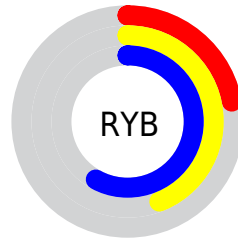
Distribution



Red (22%)

Green (58%)

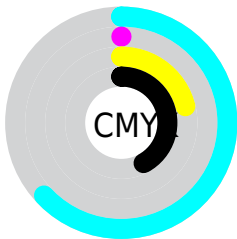
Blue (46%)



Red (22%)

Yellow (44%)

Blue (58%)

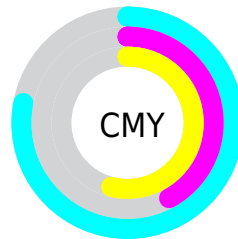


Cyan (63%)

Magenta (0%)

Yellow (21%)

Black (42%)



Cyan (78%)

Magenta (42%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5339, 23.5915, 20.5645 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 15.5339, 23.5915, 20.5645 by changing the saturation by 10% instead.

■ 15.5339, 23.5915,
20.5645

■ 15.5339, 23.5915,
20.5645

219.9003,
270.7487, 267.6595

■ 9.2837, 15.0309,
12.6179

■ 35.3511, 49.3628,
45.2329

■ 4.9853, 8.8411,
7.0383

■ 49.6489, 67.3422,
62.7919

■ 2.2733, 4.6377,
3.4073

■ 67.3598, 89.2300,
84.3920

■ 0.7809, 2.0363,
1.3062

■ 88.8494, 115.4106,
110.4519

■ 0.0000, 0.6284,
0.0668

■ 114.4828,
146.2684, 141.3900

■ 0.0000, 0.0000,
0.0000

144.6255,

182.1877, 177.6250

179.6429,
223.5530, 219.5753

■ 15.5339, 23.5915,
20.5645

■ 15.5339, 23.5915,
20.5645

■ 14.5476, 23.1172,
19.0037

■ 16.7841, 24.2012,
22.2231

■ 13.8000, 22.7635,
17.5367

■ 18.3167, 24.9540,
23.9800

■ 13.2644, 22.5172,
16.1612

■ 20.1506, 25.8602,
25.8380

■ 12.9655, 22.3828,
15.2607

■ 22.3025, 26.9283,
27.7991

■ 24.7879, 28.1664,
29.8652

■ 27.6211, 29.5819,
32.0381

■ 30.8159, 31.1816,
34.3197

■ 34.3849, 32.9723,
36.7117

■ 38.3403, 34.9601,
39.2159

Harmonies

Analogous

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



17.1524, 23.5915, 12.8658



15.5339, 23.5915, 20.5645



15.5939, 23.5915, 32.5449

Triad

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



15.5339, 23.5915, 20.5645



24.7046, 23.5915, 54.5125



28.4303, 23.5915, 12.4919

Complementary

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



15.5339, 23.5915, 20.5645



15.4817, 9.8107, 10.0955

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.



31.0015, 23.5915, 19.8675



15.5339, 23.5915, 20.5645



28.6759, 23.5915, 45.0388

Square

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



15.5339, 23.5915, 20.5645



20.5546, 23.5915, 54.8751



31.0965, 23.5915, 31.5968



24.4013, 23.5915, 9.2750

Rectangle

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



15.5339, 23.5915, 20.5645



16.5695, 23.5915, 41.6302



31.0965, 23.5915, 31.5968



29.5144, 23.5915, 14.4436

Sweetspot

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



15.5345, 23.5924, 20.5650



41.5153, 49.0075, 51.1297



15.4529, 23.8416, 7.4022



8.9533, 10.7377, 11.1209



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.5345, 23.5924, 20.5650



25.4051, 41.0906, 32.8406



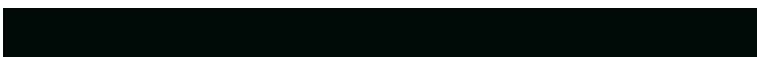
15.6512, 20.2831, 31.5250



5.8811, 6.5290, 6.9845



10.9261, 18.8432, 12.9184



0.1476, 0.2362, 0.2310

Inverse Universe

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



15.4817, 9.8107, 10.0955



25.3356, 14.2938, 12.6488



15.2190, 10.9346, 4.9233



5.8774, 5.8460, 6.4607



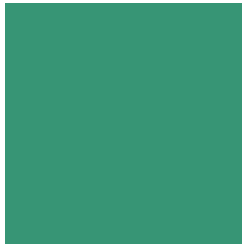
10.9423, 5.5820, 3.1772



0.1467, 0.0734, 0.1062

Previews

White Background



This preview shows how the XYZ color 15.5339, 23.5915, 20.5645 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 15.5339, 23.5915, 20.5645 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 15.5339, 23.5915, 20.5645

Background



This preview shows how black text looks on a background with the XYZ color 15.5339, 23.5915, 20.5645.

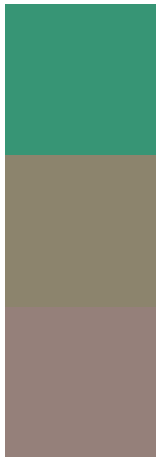


This preview shows how white text looks on a background with the XYZ color 15.5339, 23.5915,

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

15.5339, 23.5915, 20.5645

Protanopia

21.8268, 23.1821, 17.7922

Deuteranopia

23.6264, 23.2330, 21.6515



Tritanopia

18.3439, 23.5783, 34.5946

Trichromacy



Original Color

15.5339, 23.5915, 20.5645

Protanomaly

18.3198, 22.5980, 18.7255

Deuteranomaly

19.2646, 22.6092, 21.1180

Tritanomaly

17.2010, 23.5708, 28.8423

Monochromacy



Original Color

15.5339, 23.5915, 20.5645

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.6772, 19.3646, 19.7411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5339, 23.5915, 20.5645 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(55, 149, 117)` looks like.

```
.text, #text, p{  
  color:rgb(55, 149, 117)  
}
```

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(55, 149, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 149, 117) }
```

Border

The CSS property to change the border of an element to XYZ 15.5339, 23.5915, 20.5645 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(55, 149, 117) }
```


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

```
.border{ border-color:rgb(55, 149, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 149, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 149, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 149, 117); box-shadow:4px 4px 4px 4px rgb(55, 149, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5339, 23.5915, 20.5645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 149, 117) }
```

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

```
.background{ background-color: rgb(55, 149,  
117) }
```

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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