

Converting Colors

XYZ(15.5060, 20.2468, 30.6945)

Have a look what the booklet for
XYZ(15.5060, 20.2468, 30.6945)
contains.

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Color

**XYZ(15.5060, 20.2468,
30.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	378793
RGB	55, 135, 147
RGB Percent	22%, 53%, 58%
CMY	0.7843, 0.4706, 0.4235
CMYK	0.63, 0.08, 0.00, 0.42
HSL	188°, 46%, 40%
HSV	188°, 63%, 58%
XYZ	15.5060, 20.2468, 30.6945
YIQ	112.4480, -51.5320, -13.2280

Conversions

Conversions Part 2

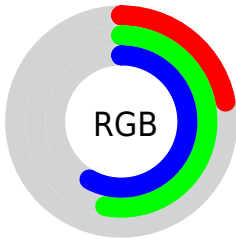
Format	Color
RYB	55, 98, 147
Decimal	3639187
CIELab	52.12, -20.39, -13.70
CIELCh	52, 24.567, 213.890
Yxy	20.2468, 0.2334, 0.3047
Android (android.graphics.Color)	4281829267 (0xFF378793)
YUV	112.4480, 17.0341, -50.3819
Hunter-Lab	44.9964, -17.2318, -8.9474




Details

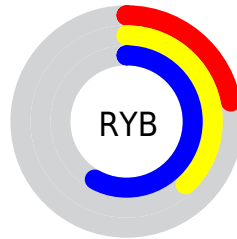
The XYZ color **15.5060, 20.2468, 30.6945** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.7298, 10.4937, 4.8642**, and the grayscale version is **15.4958, 16.3028, 17.7537**.




A 20% lighter version of the original color is **35.2079, 43.6282, 61.8238**, and **5.3598, 7.3415, 12.2009** is the 20% darker color. If you saturate the color by 10%, you get **14.5527, 19.3622, 30.5744**, and if you desaturate by 10%, it is **16.7053, 21.2662, 30.8284**.

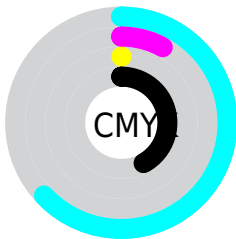
Distribution







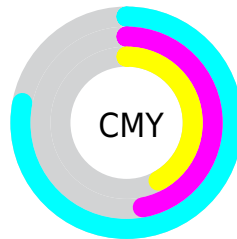
-  Red (22%)
-  Green (53%)
-  Blue (58%)






-  Red (22%)
-  Yellow (38%)
-  Blue (58%)



-  Cyan (63%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (42%)



-  Cyan (78%)
-  Magenta (47%)
-  Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5060, 20.2468, 30.6945 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 15.5060, 20.2468, 30.6945 by changing the saturation by 10% instead.

■ 15.5060, 20.2468,
30.6945

■ 15.5060, 20.2468,
30.6945

219.7370,
253.2481, 319.4359

■ 9.2639, 12.5746,
20.1098

■ 35.3029, 43.8306,
61.8327

■ 4.9722, 7.1363,
12.2900

■ 49.5883, 60.5109,
83.2233

■ 2.2655, 3.5475,
6.8166

■ 67.2856, 80.9627,
109.0529

■ 0.7769, 1.4238,
3.2710

■ 88.7601, 105.5705,
139.7402

■ 0.0000, 0.2342,
1.2346

■ 114.3771,
134.7185, 175.7036

■ 0.0000, 0.0000,
0.0073

144.5020,

■ 0.0000, 0.0000,

168.7911, 217.3616

0.0000

179.5002,
208.1729, 265.1329

■ 15.5060, 20.2468,
30.6945

■ 15.5060, 20.2468,
30.6945

■ 14.5527, 19.3622,
30.5744

■ 16.7053, 21.2662,
30.8284

■ 13.8214, 18.5988,
30.4656

■ 18.1680, 22.4282,
30.9756

■ 13.2866, 17.9437,
30.3673

■ 19.9123, 23.7425,
31.1374

■ 12.9633, 17.5002,
30.2987

■ 21.9538, 25.2173,
31.3144

■ 24.3075, 26.8604,
31.5075

■ 26.9868, 28.6787,
31.7173

■ 30.0049, 30.6789,
31.9443

■ 33.3737, 32.8674,
32.1892

■ 37.1050, 35.2502,
32.4524

Harmonies

Analogous

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



14.8155, 20.2468, 22.9973



15.5060, 20.2468, 30.6945



17.1953, 20.2468, 36.9481

Triad

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



15.5060, 20.2468, 30.6945



23.9159, 20.2468, 28.7118



18.9181, 20.2468, 10.9226

Complementary

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



15.5060, 20.2468, 30.6945



14.7298, 10.4937, 4.8642

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.



21.4492, 20.2468, 11.8097



15.5060, 20.2468, 30.6945



24.4772, 20.2468, 21.1200

Square

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



15.5060, 20.2468, 30.6945



22.0652, 20.2468, 35.6396



23.5390, 20.2468, 15.1958



16.6741, 20.2468, 12.4396

Rectangle

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



15.5060, 20.2468, 30.6945



18.7344, 20.2468, 38.8614



23.5390, 20.2468, 15.1958



19.7627, 20.2468, 10.9519

Sweetspot

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



15.5066, 20.2476, 30.6950



40.5990, 46.0659, 56.1864



12.9853, 22.0703, 8.6894



9.0266, 10.3457, 12.8060



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.



15.5066, 20.2476, 30.6950



25.4975, 34.1083, 54.6743



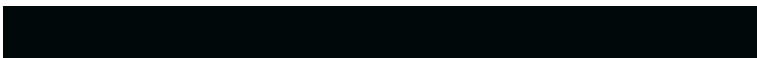
10.5213, 10.2769, 29.0332



5.9003, 6.4345, 7.4007



11.2511, 15.1969, 26.2713



0.1522, 0.2149, 0.3264

Inverse Universe

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



17.7725, 10.6853, 24.0483



30.0967, 16.2068, 40.8453



18.4875, 18.0091, 6.1167



6.0031, 5.8963, 7.1225



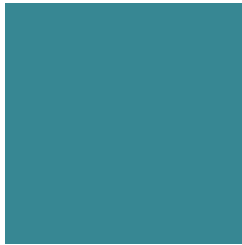
13.8061, 6.7275, 18.2577



0.1763, 0.0853, 0.2619

Previews

White Background



This preview shows how the XYZ color 15.5060, 20.2468, 30.6945 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 15.5060, 20.2468, 30.6945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

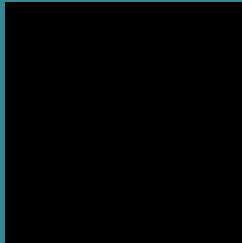
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.5060, 20.2468, 30.6945

Background



This preview shows how black text looks on a background with the XYZ color 15.5060, 20.2468, 30.6945.

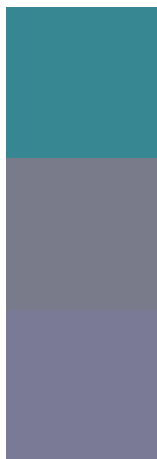


This preview shows how white text looks on a background with the XYZ color 15.5060, 20.2468,

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

15.5060, 20.2468, 30.6945

Protanopia

19.6283, 20.0949, 27.2703

Deuteranopia

20.3684, 20.0143, 31.6438



Tritanopia

15.4278, 20.2155, 30.2830

Trichromacy



Original Color

15.5060, 20.2468, 30.6945

Protanomaly

17.4016, 19.6731, 28.4713

Deuteranomaly

17.9227, 19.6883, 31.2894

Tritanomaly

15.4278, 20.2155, 30.2830

Monochromacy



Original Color

15.5060, 20.2468, 30.6945

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.7325, 17.1378, 21.9335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5060, 20.2468, 30.6945 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, 135, 147)` looks like.

```
.text, #text, p{  
    color:rgb(55, 135, 147)  
}
```

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, 135, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 135, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.5060, 20.2468, 30.6945 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, 135, 147) }
```


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

```
.border{ border-color:rgb(55, 135, 147) }
```

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

Here you see how a box with a 4 pixel rgb(55, 135, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 135, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 135, 147);  
box-shadow:4px 4px 4px 4px rgb(55, 135,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5060, 20.2468, 30.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 135, 147) }
```

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

```
.background{ background-color: rgb(55, 135,  
147) }
```

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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