

Converting Colors

XYZ(15.3369, 20.1517, 29.6734)

Have a look what the booklet for
XYZ(15.3369, 20.1517, 29.6734)
contains.

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Color

**XYZ(15.4057, 20.2130,
29.8776)**

Conversions

Conversions Part 1

Format	Color
Hex	388791
RGB	56, 135, 145
RGB Percent	22%, 53%, 57%
CMY	0.7804, 0.4706, 0.4314
CMYK	0.61, 0.07, 0.00, 0.43
HSL	187°, 44%, 39%
HSV	187°, 61%, 57%
XYZ	15.4057, 20.2130, 29.8776
YIQ	112.5190, -50.2940, -13.6380

Conversions

Conversions Part 2

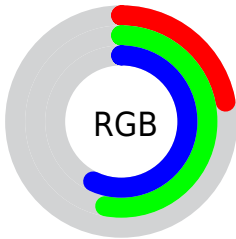
Format	Color
RYB	56, 98, 145
Decimal	3704721
CIELab	52.08, -20.82, -12.59
CIElCh	52, 24.331, 211.162
Yxy	20.2130, 0.2352, 0.3086
Android (android.graphics.Color)	4281894801 (0xFF388791)
YUV	112.5190, 16.0131, -49.5672
Hunter-Lab	44.9589, -17.5128, -7.9302

Details

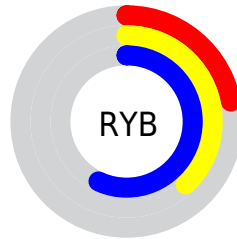
The XYZ color **15.4057, 20.2130, 29.8776** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.3396, 10.2023, 4.9555**, and the grayscale version is **15.5193, 16.3275, 17.7807**.

A 20% lighter version of the original color is **35.1021, 43.6007, 60.5985**, and **5.3141, 7.3232, 11.9599** is the 20% darker color. If you saturate the color by 10%, you get **14.4843, 19.4036, 29.7703**, and if you desaturate by 10%, it is **16.5666, 21.1519, 29.9980**.

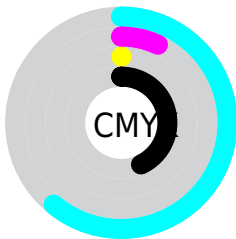
Distribution



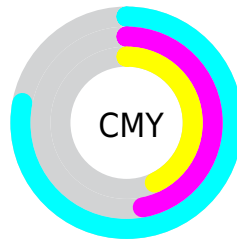
- Red (22%)
- Green (53%)
- Blue (57%)



- Red (22%)
- Yellow (38%)
- Blue (57%)



- Cyan (61%)
- Magenta (7%)
- Yellow (0%)
- Black (43%)



- Cyan (78%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4057, 20.2130, 29.8776 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 15.4057, 20.2130, 29.8776 by changing the saturation by 10% instead.

■ 15.4057, 20.2130,
29.8776

■ 15.4057, 20.2130,
29.8776

219.1489,
253.0659, 315.5230

■ 9.1928, 12.5500,
19.4944

■ 35.1292, 43.7740,
60.5273

■ 4.9253, 7.1194,
11.8477

■ 49.3705, 60.4408,
81.6309

■ 2.2378, 3.5369,
6.5188

■ 67.0186, 80.8776,
107.1450

■ 0.7625, 1.4180,
3.0892

■ 88.4388, 105.4688,
137.4883

■ 0.0000, 0.2300,
1.1403

■ 113.9966,
134.5988, 173.0791

■ 0.0000, 0.0000,
0.0000

144.0574,

168.6521, 214.3362

178.9863,
208.0130, 261.6780

■ 15.4057, 20.2130,
29.8776

■ 15.4057, 20.2130,
29.8776

■ 14.4843, 19.4036,
29.7703

■ 16.5666, 21.1519,
29.9980

■ 13.7796, 18.7105,
29.6737

■ 17.9836, 22.2276,
30.1310

■ 13.2676, 18.1220,
29.5871

■ 19.6738, 23.4494,
30.2777

■ 12.9230, 17.6685,
29.5177

■ 21.6526, 24.8252,
30.4390

■ 23.9339, 26.3621,
30.6154

■ 26.5309, 28.0671,
30.8076

■ 29.4560, 29.9466,
31.0162

■ 32.7208, 32.0065,
31.2417

■ 36.3366, 34.2526,
31.4847

Harmonies

Analogous

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



14.8190, 20.2130, 22.2872



15.4057, 20.2130, 29.8776



16.9977, 20.2130, 36.3067

Triad

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



15.4057, 20.2130, 29.8776



23.7096, 20.2130, 29.2923



19.1151, 20.2130, 10.9647

Complementary

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



15.4057, 20.2130, 29.8776



14.3396, 10.2023, 4.9555

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.



21.6104, 20.2130, 12.0645



15.4057, 20.2130, 29.8776



24.3969, 20.2130, 21.7322

Square

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



15.4057, 20.2130, 29.8776



21.7924, 20.2130, 35.9207



23.5983, 20.2130, 15.6588



16.8435, 20.2130, 12.2513

Rectangle

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



15.4057, 20.2130, 29.8776



18.4869, 20.2130, 38.4921



23.5983, 20.2130, 15.6588



19.9555, 20.2130, 11.0654

Sweetspot

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



15.4063, 20.2138, 29.8781



39.9440, 45.2527, 54.6029



12.7081, 21.4725, 8.4614



8.6576, 9.9116, 12.1290



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.4063, 20.2138, 29.8781



25.3681, 34.2071, 53.2391



10.5350, 10.4710, 28.2543



5.5093, 6.0143, 6.8993



11.0961, 15.1781, 25.3219



0.1156, 0.1642, 0.2453

Inverse Universe

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



17.4650, 10.5980, 24.0475



29.5567, 15.9999, 41.0713



17.9028, 17.3288, 6.1432



5.6005, 5.5007, 6.6604



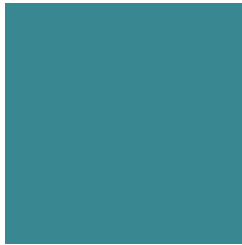
13.4039, 6.5186, 18.3101



0.1330, 0.0642, 0.2004

Previews

White Background



This preview shows how the XYZ color 15.4057, 20.2130, 29.8776 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 15.4057, 20.2130, 29.8776 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 15.4057, 20.2130, 29.8776

Background



This preview shows how black text looks on a background with the XYZ color 15.4057, 20.2130, 29.8776.

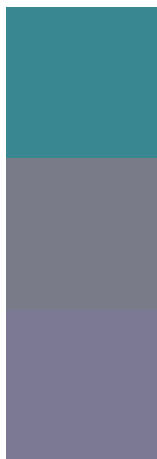


This preview shows how white text looks on a background with the XYZ color 15.4057, 20.2130,

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

15.4057, 20.2130, 29.8776

Protanopia

19.6244, 20.1096, 26.5141

Deuteranopia

20.3510, 20.0238, 30.8093



Tritanopia

15.4832, 20.2440, 30.2856

Trichromacy



Original Color

15.4057, 20.2130, 29.8776

Protanomaly

17.3600, 19.6689, 27.6924

Deuteranomaly

17.8729, 19.6809, 30.4606

Tritanomaly

15.4832, 20.2440, 30.2856

Monochromacy



Original Color

15.4057, 20.2130, 29.8776

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.9527, 17.4307, 21.9784

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4057, 20.2130, 29.8776 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(56, 135, 145)` looks like.

```
.text, #text, p{  
    color:rgb(56, 135, 145)  
}
```

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(56, 135, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 135, 145) }
```

Border

The CSS property to change the border of an element to XYZ 15.4057, 20.2130, 29.8776 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(56, 135, 145) }
```


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

```
.border{ border-color:rgb(56, 135, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 135, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 135, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 135, 145);  
box-shadow:4px 4px 4px 4px rgb(56, 135,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4057, 20.2130, 29.8776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 135, 145) }
```

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

```
.background{ background-color: rgb(56, 135,  
145) }
```

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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