

Converting Colors

XYZ(15.7604, 19.2831, 30.8672)

Have a look what the booklet for
XYZ(15.7604, 19.2831, 30.8672)
contains.

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Color

**XYZ(15.8537, 19.4055,
30.9270)**

Conversions

Conversions Part 1

Format	Color
Hex	468294
RGB	70, 130, 148
RGB Percent	27%, 51%, 58%
CMY	0.7255, 0.4902, 0.4196
CMYK	0.53, 0.12, 0.00, 0.42
HSL	194°, 36%, 43%
HSV	194°, 53%, 58%
XYZ	15.8537, 19.4055, 30.9270
YIQ	114.1120, -41.5380, -7.1220

Conversions

Conversions Part 2

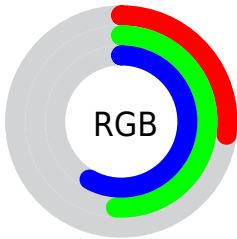
Format	Color
R_{YB}	70, 104, 148
Decimal	4620948
CIE _{Lab}	51.16, -14.24, -15.68
CIE _{LCh}	51, 21.182, 227.748
Yxy	19.4055, 0.2395, 0.2932
Android (android.graphics.Color)	4282811028 (0xFF468294)
YUV	114.1120, 16.7068, -38.6862
Hunter-Lab	44.0517, -12.8503, -10.7891

Details

The XYZ color **15.8537, 19.4055, 30.9270** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.8083, 13.7179, 7.5568**, and the grayscale version is **15.9887, 16.8214, 18.3185**.

A 20% lighter version of the original color is **35.9063, 42.4163, 62.1718**, and **5.1502, 6.7737, 12.3453** is the 20% darker color. If you saturate the color by 10%, you get **14.4682, 18.0284, 30.7346**, and if you desaturate by 10%, it is **17.5186, 20.9499, 31.1377**.

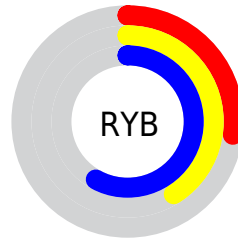
Distribution



Red (27%)

Green (51%)

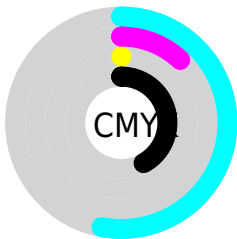
Blue (58%)



Red (27%)

Yellow (41%)

Blue (58%)

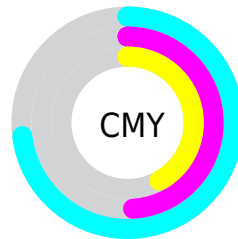


Cyan (53%)

Magenta (12%)

Yellow (0%)

Black (42%)



Cyan (73%)

Magenta (49%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8537, 19.4055, 30.9270 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 15.8537, 19.4055, 30.9270 by changing the saturation by 10% instead.

■ 15.8537, 19.4055,
30.9270

■ 15.8537, 19.4055,
30.9270

221.7643,
248.6783, 320.5426

■ 9.5109, 11.9636,
20.2853

■ 35.9035, 42.4182,
62.2034

■ 5.1356, 6.7189,
12.4164

■ 50.3413, 58.7578,
83.6751

■ 2.3626, 3.2869,
6.9020

■ 68.2080, 78.8321,
109.5938

■ 0.8264, 1.2833,
3.3234

■ 89.8691, 103.0256,
140.3782

■ 0.0000, 0.1282,
1.2620

■ 115.6899,
131.7225, 176.4467

■ 0.0000, 0.0000,
0.0304

146.0358,

■ 0.0000, 0.0000,

165.3074, 218.2180

0.0000

181.2722,
204.1645, 266.1104

■ 15.8537, 19.4055,
30.9270

■ 15.8537, 19.4055,
30.9270

■ 14.4682, 18.0284,
30.7346

■ 17.5186, 20.9499,
31.1377

■ 13.3405, 16.8060,
30.5581

■ 19.4790, 22.6687,
31.3661

■ 12.4485, 15.7270,
30.3968

■ 21.7517, 24.5714,
31.6136

■ 11.7656, 14.7776,
30.2495

■ 24.3519, 26.6659,
31.8808

■ 11.3456, 14.1386,
30.1484

■ 27.2935, 28.9596,
32.1685

■ 30.5898, 31.4596,
32.4773

■ 34.2533, 34.1725,
32.8079

■ 38.2959, 37.1046,
33.1608

■ 42.7289, 40.2620,
33.5366

Harmonies

Analogous

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



14.8507, 19.4055, 24.8649



15.8537, 19.4055, 30.9270



17.5984, 19.4055, 34.6072

Triad

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



15.8537, 19.4055, 30.9270



22.6906, 19.4055, 23.6867



17.2374, 19.4055, 11.8979

Complementary

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



15.8537, 19.4055, 30.9270



16.8083, 13.7179, 7.5568

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.



19.3169, 19.4055, 11.7027



15.8537, 19.4055, 30.9270



22.5755, 19.4055, 17.7880

Square

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



15.8537, 19.4055, 30.9270



21.6066, 19.4055, 29.9243



21.3029, 19.4055, 13.6560



15.6068, 19.4055, 14.2522

Rectangle

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



15.8537, 19.4055, 30.9270



18.9956, 19.4055, 34.8275



21.3029, 19.4055, 13.6560



17.9038, 19.4055, 11.5964

Sweetspot

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



15.8543, 19.4062, 30.9275



41.2388, 45.6729, 56.0768



14.8324, 23.1688, 12.6863



9.2189, 10.2693, 12.7811



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.



15.8543, 19.4062, 30.9275



25.1893, 31.4565, 54.1787



11.7074, 11.1124, 29.5452



5.8518, 6.3376, 7.3846



9.7120, 12.1189, 25.7583



0.1410, 0.1927, 0.3227

Inverse Universe

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



18.4327, 12.2885, 22.5203



30.4379, 18.2455, 36.7780



20.7667, 21.6347, 8.8763



5.9787, 5.8865, 6.9937



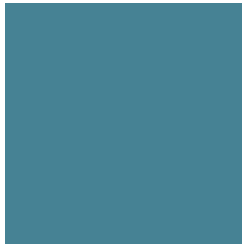
13.0293, 6.4168, 14.1670



0.1707, 0.0830, 0.2323

Previews

White Background



This preview shows how the XYZ color 15.8537, 19.4055, 30.9270 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 15.8537, 19.4055, 30.9270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

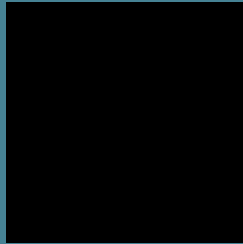
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8537, 19.4055, 30.9270

Background



This preview shows how black text looks on a background with the XYZ color 15.8537, 19.4055, 30.9270.

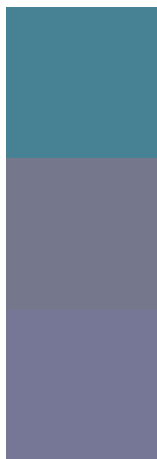


This preview shows how white text looks on a background with the XYZ color 15.8537, 19.4055,

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

15.8537, 19.4055, 30.9270

Protanopia

18.8603, 19.1379, 27.8992

Deuteranopia

19.5731, 19.2472, 31.5376



Tritanopia

15.3827, 19.4145, 28.5278

Trichromacy



Original Color

15.8537, 19.4055, 30.9270

Protanomaly

17.4972, 19.1382, 29.1574

Deuteranomaly

17.8746, 19.1025, 31.1788

Tritanomaly

15.6046, 19.5114, 29.3292

Monochromacy



Original Color

15.8537, 19.4055, 30.9270

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.5194, 17.5360, 22.3055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8537, 19.4055, 30.9270 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(70, 130, 148)` looks like.

```
.text, #text, p{  
    color:rgb(70, 130, 148)  
}
```

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(70, 130, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 130, 148) }
```

Border

The CSS property to change the border of an element to XYZ 15.8537, 19.4055, 30.9270 is called "border". The border property can be set on classes, ids or directly on the HTML element.

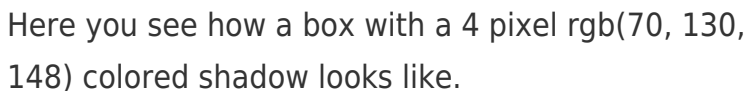
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 130, 148) }
```


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

```
.border{ border-color:rgb(70, 130, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(70, 130, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(70, 130, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(70, 130, 148); box-shadow:4px 4px 4px 4px rgb(70, 130, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8537, 19.4055, 30.9270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 130, 148) }
```

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

```
.background{ background-color: rgb(70, 130,  
148) }
```

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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