

Converting Colors

XYZ(13.3287, 19.0950, 15.1933)

Have a look what the booklet for
XYZ(13.3287, 19.0950, 15.1933)
contains.

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Color

**XYZ(13.3350, 19.0542,
15.2869)**

Conversions

Conversions Part 1

Format	Color
Hex	478565
RGB	71, 133, 101
RGB Percent	28%, 52%, 40%
CMY	0.7216, 0.4784, 0.6039
CMYK	0.47, 0.00, 0.24, 0.48
HSL	149°, 30%, 40%
HSV	149°, 47%, 52%
XYZ	13.3350, 19.0542, 15.2869
YIQ	110.8140, -26.6800, -23.0960

Conversions

Conversions Part 2

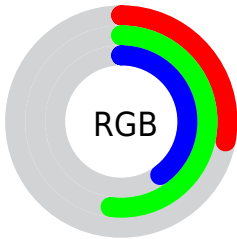
Format	Color
R_YB	71, 113, 133
Decimal	4687205
CIE _{Lab}	50.75, -27.91, 11.14
CIE _{LCh}	51, 30.049, 158.242
Yxy	19.0542, 0.2797, 0.3997
Android (android.graphics.Color)	4282877285 (0xFF478565)
YUV	110.8140, -4.8383, -34.9169
Hunter-Lab	43.6511, -21.8594, 9.7920

Details

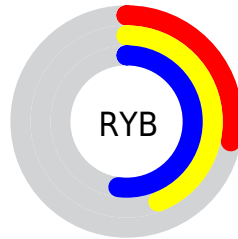
The XYZ color **13.3350, 19.0542, 15.2869** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.3749, 10.4727, 14.0965**, and the grayscale version is **15.0750, 15.8601, 17.2716**.

A 20% lighter version of the original color is **31.6062, 42.0186, 36.1503**, and **3.9903, 6.5720, 4.5482** is the 20% darker color. If you saturate the color by 10%, you get **12.1420, 18.4769, 13.5482**, and if you desaturate by 10%, it is **14.7707, 19.7543, 17.1844**.

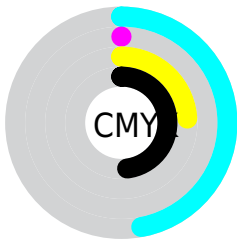
Distribution



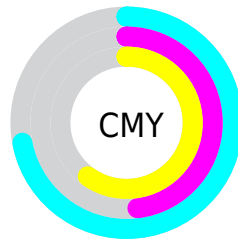
- Red (28%)
- Green (52%)
- Blue (40%)



- Red (28%)
- Yellow (44%)
- Blue (52%)



- Cyan (47%)
- Magenta (0%)
- Yellow (24%)
- Black (48%)



- Cyan (72%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3350, 19.0542, 15.2869 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 13.3350, 19.0542, 15.2869 by changing the saturation by 10% instead.

■ 13.3350, 19.0542,
15.2869

■ 13.3350, 19.0542,
15.2869

206.6481,
246.7478, 236.7965

■ 7.7382, 11.7094,
8.8721

■ 31.5005, 41.8257,
36.1051

■ 3.9783, 6.5462,
4.5622

■ 44.8000, 58.0212,
51.3456

■ 1.6899, 3.1799,
1.9386

■ 61.3978, 77.9357,
70.3651

■ 0.4499, 1.2264,
0.5171

■ 81.6592, 101.9537,
93.5822

■ 0.0000, 0.0831,
0.0000

■ 105.9495,
130.4595, 121.4153

■ 0.0000, 0.0000,
0.0000

134.6342,

163.8375, 154.2830

168.0786,
202.4722, 192.6039

■ 13.3350, 19.0542,
15.2869

■ 13.3350, 19.0542,
15.2869

■ 12.1420, 18.4769,
13.5482

■ 14.7707, 19.7543,
17.1844

■ 11.1753, 18.0127,
11.9629

■ 16.4610, 20.5819,
19.2437

■ 10.4190, 17.6538,
10.5268


■ 18.4189, 21.5440,
21.4689


■ 9.8543, 17.3907,
9.2353


■ 20.6560, 22.6466,
23.8638


■ 9.4477, 17.2061,
8.0827


■ 23.1831, 23.8951,
26.4322

 9.3234, 17.1499,
7.7224

 26.0105, 25.2949,
29.1775

 29.1482, 26.8509,
32.1031

 32.6053, 28.5678,
35.2124

 36.3908, 30.4503,
38.5086

Harmonies

Analogous

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



14.8203, 19.0542, 10.4216



13.3350, 19.0542, 15.2869



13.0551, 19.0542, 23.1646

Triad

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



13.3350, 19.0542, 15.2869



18.9361, 19.0542, 41.3439



22.9427, 19.0542, 12.2259

Complementary

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



13.3350, 19.0542, 15.2869



14.3749, 10.4727, 14.0965

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.



24.3267, 19.0542, 18.5033



13.3350, 19.0542, 15.2869



21.8547, 19.0542, 36.3068

Square

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



13.3350, 19.0542, 15.2869



16.0874, 19.0542, 39.7959



23.9083, 19.0542, 27.3728



20.2964, 19.0542, 9.0178

Rectangle

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



13.3350, 19.0542, 15.2869



13.5574, 19.0542, 29.4258



23.9083, 19.0542, 27.3728



23.5834, 19.0542, 13.9679

Sweetspot

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



13.3355, 19.0550, 15.2873



33.8590, 39.0106, 39.4035



15.1228, 20.1163, 9.0472



7.4682, 8.7100, 8.7024



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.3355, 19.0550, 15.2873



21.6172, 33.0265, 24.0666



15.1492, 19.7805, 24.8383



4.7032, 5.2395, 5.4482



8.8844, 16.3366, 7.3768



0.0344, 0.0581, 0.0448

Inverse Universe

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



14.3749, 10.4727, 14.0965



23.7198, 15.6568, 21.6514



13.0974, 9.9617, 7.3693



4.7654, 4.7259, 5.3771



10.2304, 5.1565, 5.7858



0.0391, 0.0193, 0.0395

Previews

White Background



This preview shows how the XYZ color 13.3350, 19.0542, 15.2869 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 13.3350, 19.0542, 15.2869 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 13.3350, 19.0542, 15.2869

Background



This preview shows how black text looks on a background with the XYZ color 13.3350, 19.0542, 15.2869.



This preview shows how white text looks on a background with the XYZ color 13.3350, 19.0542,

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

13.3350, 19.0542, 15.2869

Protanopia

17.6841, 18.8484, 13.5325

Deuteranopia

19.1117, 18.8291, 15.9917



Tritanopia

15.7000, 19.0227, 26.8890

Trichromacy



Original Color

13.3350, 19.0542, 15.2869

Protanomaly

15.5547, 18.6561, 14.0904

Deuteranomaly

16.2683, 18.4293, 15.7965

Tritanomaly

14.7449, 19.0237, 22.2968

Monochromacy



Original Color

13.3350, 19.0542, 15.2869

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.0745, 16.7420, 16.3996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3350, 19.0542, 15.2869 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(71, 133, 101)` looks like.

```
.text, #text, p{  
    color:rgb(71, 133, 101)  
}
```

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(71, 133, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 133, 101) }
```

Border

The CSS property to change the border of an element to XYZ 13.3350, 19.0542, 15.2869 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(71, 133, 101) }
```


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

```
.border{ border-color:rgb(71, 133, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 133, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 133, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 133, 101);  
box-shadow:4px 4px 4px 4px rgb(71, 133,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3350, 19.0542, 15.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 133, 101) }
```

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

```
.background{ background-color: rgb(71, 133,  
101) }
```

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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