

Converting Colors

XYZ(13.3740, 19.2068, 13.6102)

Have a look what the booklet for
XYZ(13.3740, 19.2068, 13.6102)
contains.

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Color

**XYZ(13.3096, 19.0791,
13.5708)**

Conversions

Conversions Part 1

Format	Color
Hex	4B855E
RGB	75, 133, 94
RGB Percent	29%, 52%, 37%
CMY	0.7059, 0.4784, 0.6314
CMYK	0.44, 0.00, 0.29, 0.48
HSL	140°, 28%, 41%
HSV	140°, 44%, 52%
XYZ	13.3096, 19.0791, 13.5708
YIQ	111.2120, -22.0490, -24.4250

Conversions

Conversions Part 2

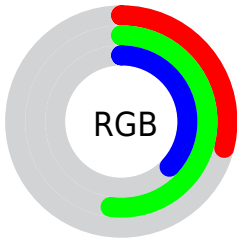
Format	Color
RYB	75, 119, 133
Decimal	4949342
CIELab	50.78, -28.20, 15.23
CIELCh	51, 32.051, 151.620
Yxy	19.0791, 0.2896, 0.4151
Android (android.graphics.Color)	4283139422 (0xFF4B855E)
YUV	111.2120, -8.4855, -31.7579
Hunter-Lab	43.6796, -22.0487, 12.1550

Details

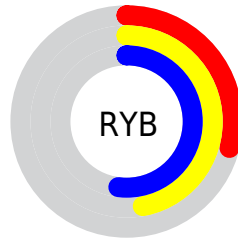
The XYZ color **13.3096, 19.0791, 13.5708** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.2269, 11.2341, 17.2863**, and the grayscale version is **15.1999, 15.9915, 17.4148**.

A 20% lighter version of the original color is **31.6336, 42.0970, 33.2463**, and **3.9801, 6.5821, 3.8570** is the 20% darker color. If you saturate the color by 10%, you get **11.9978, 18.4471, 11.5347**, and if you desaturate by 10%, it is **14.8864, 19.8434, 15.8630**.

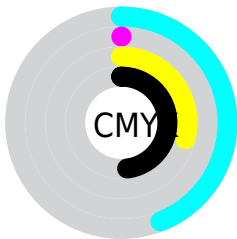
Distribution



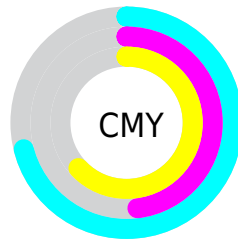
- Red (29%)
- Green (52%)
- Blue (37%)



- Red (29%)
- Yellow (47%)
- Blue (52%)



- Cyan (44%)
- Magenta (0%)
- Yellow (29%)
- Black (48%)



- Cyan (71%)
- Magenta (48%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3096, 19.0791, 13.5708 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 13.3096, 19.0791, 13.5708 by changing the saturation by 10% instead.

■ 13.3096, 19.0791,
13.5708

■ 13.3096, 19.0791,
13.5708

206.4902,
246.8851, 225.8790

■ 7.7205, 11.7274,
7.6874

■ 31.4555, 41.8677,
33.0316

■ 3.9670, 6.5584,
3.8107

■ 44.7430, 58.0735,
47.4461

■ 1.6835, 3.1875,
1.5221

■ 61.3275, 77.9994,
65.5414

■ 0.4459, 1.2304,
0.2343

■ 81.5741, 102.0298,
87.7361

■ 0.0000, 0.0863,
0.0000

■ 105.8484,
130.5492, 114.4487

■ 0.0000, 0.0000,
0.0000

134.5155,

163.9420, 146.0976

167.9410,
202.5925, 183.1015

■ 13.3096, 19.0791,
13.5708

■ 13.3096, 19.0791,
13.5708

■ 11.9978, 18.4471,
11.5347

■ 14.8864, 19.8434,
15.8630

■ 10.9343, 17.9374,
9.7443

■ 16.7408, 20.7447,
18.4184

■ 10.1027, 17.5422,
8.1906

■ 18.8862, 21.7904,
21.2456

■ 9.4839, 17.2519,
6.8635

■ 21.3347, 22.9864,
24.3524

■ 9.0547, 17.0548,
5.7519

■ 24.0978, 24.3386,
27.7461

■ 8.8344, 16.9544,
5.1474

■ 27.1863, 25.8523,
31.4340

■ 30.6105, 27.5328,
35.4229

■ 34.3804, 29.3851,
39.7196

■ 38.5052, 31.4137,
44.3305

Harmonies

Analogous

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



15.1400, 19.0791, 9.2260



13.3096, 19.0791, 13.5708



12.7279, 19.0791, 21.2682

Triad

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



13.3096, 19.0791, 13.5708



18.3059, 19.0791, 43.3886



23.7970, 19.0791, 12.9412

Complementary

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



13.3096, 19.0791, 13.5708



15.2269, 11.2341, 17.2863

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.



24.8883, 19.0791, 20.2873



13.3096, 19.0791, 13.5708



21.4990, 19.0791, 39.3255

Square

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



13.3096, 19.0791, 13.5708



15.4045, 19.0791, 40.0809



24.0029, 19.0791, 30.1591



21.1685, 19.0791, 8.9435

Rectangle

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



13.3096, 19.0791, 13.5708



13.0655, 19.0791, 27.8440



24.0029, 19.0791, 30.1591



24.3686, 19.0791, 15.0150

Sweetspot

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



13.3101, 19.0799, 13.5712



33.9490, 39.0835, 38.2117



16.6804, 20.9040, 9.8126



7.4713, 8.7188, 8.3794



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.



13.3101, 19.0799, 13.5712



21.5758, 33.0774, 20.8020



14.8254, 19.6860, 21.5509



4.6746, 5.2281, 5.2974



8.4180, 16.1501, 4.9209



0.0323, 0.0572, 0.0333

Inverse Universe

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



15.2269, 11.2341, 17.2863



25.4568, 17.1614, 28.3016



13.8545, 10.6851, 10.0594



4.7947, 4.7376, 5.5314



10.9523, 5.4453, 9.5871



0.0413, 0.0202, 0.0510

Previews

White Background



This preview shows how the XYZ color 13.3096, 19.0791, 13.5708 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 13.3096, 19.0791, 13.5708 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 13.3096, 19.0791, 13.5708

Background



This preview shows how black text looks on a background with the XYZ color 13.3096, 19.0791, 13.5708.



This preview shows how white text looks on a background with the XYZ color 13.3096, 19.0791,

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

13.3096, 19.0791, 13.5708

Protanopia

17.5312, 18.8046, 11.9382

Deuteranopia

19.2652, 18.9481, 14.1972



Tritanopia

15.9231, 18.9450, 26.8623

Trichromacy



Original Color

13.3096, 19.0791, 13.5708

Protanomaly

15.4858, 18.6566, 12.4578

Deuteranomaly

16.3197, 18.4951, 14.0190

Tritanomaly

14.7564, 18.8550, 21.2740

Monochromacy



Original Color

13.3096, 19.0791, 13.5708

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.1836, 16.8102, 15.8617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3096, 19.0791, 13.5708 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(75, 133, 94)` looks like.

```
.text, #text, p{  
    color:rgb(75, 133, 94)  
}
```

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(75, 133, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 133, 94) }
```

Border

The CSS property to change the border of an element to XYZ 13.3096, 19.0791, 13.5708 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(75, 133, 94) }
```


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

```
.border{ border-color:rgb(75, 133, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 133, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 133, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 133, 94);  
box-shadow:4px 4px 4px 4px rgb(75, 133,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3096, 19.0791, 13.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 133, 94) }
```

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

```
.background{ background-color: rgb(75, 133,  
94) }
```

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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