

Converting Colors

XYZ(13.2654, 19.7480, 11.8323)

Have a look what the booklet for
XYZ(13.2654, 19.7480, 11.8323)
contains.

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Color

**XYZ(13.2315, 19.6967,
11.9086)**

Conversions

Conversions Part 1

Format	Color
Hex	498856
RGB	73, 136, 86
RGB Percent	29%, 53%, 34%
CMY	0.7137, 0.4667, 0.6627
CMYK	0.46, 0.00, 0.37, 0.47
HSL	132°, 30%, 41%
HSV	132°, 46%, 53%
XYZ	13.2315, 19.6967, 11.9086
YIQ	111.4630, -21.4980, -28.9060

Conversions

Conversions Part 2

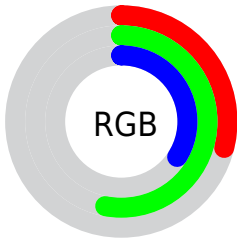
Format	Color
RYB	73, 125, 136
Decimal	4819030
CIELab	51.49, -31.78, 20.72
CIELCh	51, 37.939, 146.895
Yxy	19.6967, 0.2951, 0.4393
Android (android.graphics.Color)	4283009110 (0xFF498856)
YUV	111.4630, -12.5533, -33.7321
Hunter-Lab	44.3810, -24.4497, 15.1576

Details

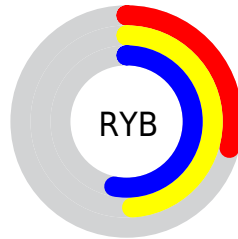
The XYZ color **13.2315, 19.6967, 11.9086** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.1116, 11.4297, 20.0963**, and the grayscale version is **15.2844, 16.0804, 17.5115**.

A 20% lighter version of the original color is **31.3148, 42.9645, 29.9351**, and **3.9001, 6.7886, 3.1123** is the 20% darker color. If you saturate the color by 10%, you get **11.9091, 19.0621, 9.7457**, and if you desaturate by 10%, it is **14.8460, 20.4754, 14.4290**.

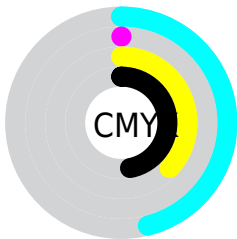
Distribution



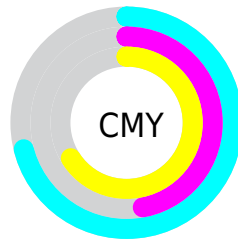
- Red (29%)
- Green (53%)
- Blue (34%)



- Red (29%)
- Yellow (49%)
- Blue (53%)



- Cyan (46%)
- Magenta (0%)
- Yellow (37%)
- Black (47%)



- Cyan (71%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2315, 19.6967, 11.9086 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 13.2315, 19.6967, 11.9086 by changing the saturation by 10% instead.

■ 13.2315, 19.6967,
11.9086

■ 13.2315, 19.6967,
11.9086

206.0038,
250.2684, 214.7556

■ 7.6662, 12.1748,
6.5597

■ 31.3168, 42.9081,
29.9904

■ 3.9321, 6.8628,
3.1141

■ 44.5677, 59.3663,
43.5604

■ 1.6638, 3.3765,
1.1532

■ 61.1110, 79.5721,
60.7079

■ 0.4335, 1.3313,
0.0000

■ 81.3123, 103.9099,
81.8513

■ 0.0000, 0.1652,
0.0000

■ 105.5369,
132.7640, 107.4093

■ 0.0000, 0.0000,
0.0000

134.1501,

166.5189, 137.8003

167.5173,
205.5589, 173.4429

■ 13.2315, 19.6967,
11.9086

■ 13.2315, 19.6967,
11.9086

■ 11.9091, 19.0621,
9.7457

■ 14.8460, 20.4754,
14.4290

■ 10.8595, 18.5602,
7.9227

■ 16.7673, 21.4039,
17.3206

■ 10.0634, 18.1822,
6.4226


■ 19.0109, 22.4903,
20.5981


■ 9.4982, 17.9167,
5.2266


■ 21.5910, 23.7417,
24.2750


■ 9.1283, 17.7459,
4.3131


■ 24.5207, 25.1646,
28.3642

 9.0150, 17.6933,
4.0428

 27.8126, 26.7651,
32.8779

 31.4784, 28.5491,
37.8279

 35.5295, 30.5222,
43.2255

 39.9767, 32.6899,
49.0815

Harmonies

Analogous

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



15.5994, 19.6967, 7.6511



13.2315, 19.6967, 11.9086



12.3185, 19.6967, 20.3302

Triad

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



13.2315, 19.6967, 11.9086



18.3272, 19.6967, 49.9511



26.0425, 19.6967, 13.2880

Complementary

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



13.2315, 19.6967, 11.9086



16.1116, 11.4297, 20.0963

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.



27.0285, 19.6967, 22.6026



13.2315, 19.6967, 11.9086



22.2337, 19.6967, 46.1207

Square

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



13.2315, 19.6967, 11.9086



14.9989, 19.6967, 44.2537



25.5513, 19.6967, 35.0643



23.0132, 19.6967, 8.2369

Rectangle

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



13.2315, 19.6967, 11.9086



12.5510, 19.6967, 28.1386



25.5513, 19.6967, 35.0643



26.6403, 19.6967, 15.9094

Sweetspot

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



13.2320, 19.6975, 11.9090



34.3717, 40.0546, 37.5503



18.2332, 22.3309, 9.6526



7.7702, 9.1841, 8.4230



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.2320, 19.6975, 11.9090



20.8028, 33.5034, 16.8642



14.7691, 20.3124, 20.0034



5.0113, 5.6240, 5.5808



8.5349, 16.7466, 3.8417



0.0611, 0.1130, 0.0488

Inverse Universe

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



16.1116, 11.4297, 20.0963



26.5447, 16.9780, 33.1605



14.4638, 10.7706, 11.4191



5.1904, 5.1116, 6.0910



12.1718, 5.9788, 13.9408



0.0860, 0.0418, 0.1198

Previews

White Background



This preview shows how the XYZ color 13.2315, 19.6967, 11.9086 looks on a white background.

Color Contrast Check

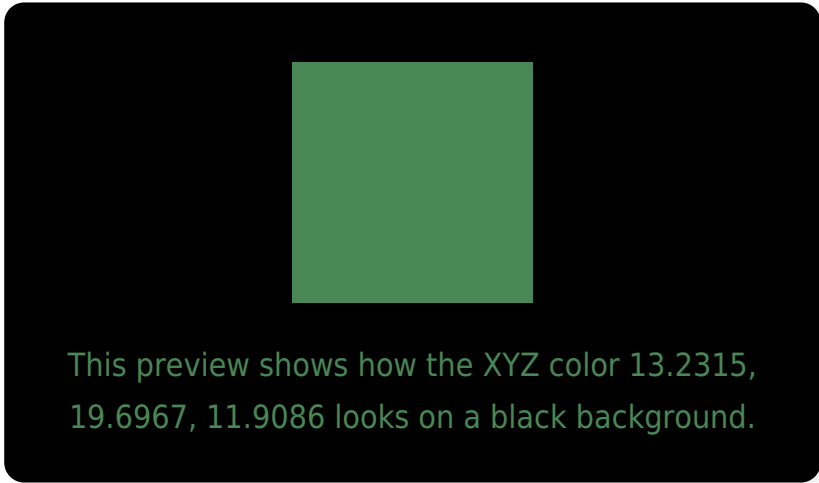
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 13.2315, 19.6967, 11.9086

Background



This preview shows how black text looks on a background with the XYZ color 13.2315, 19.6967, 11.9086.



This preview shows how white text looks on a background with the XYZ color 13.2315, 19.6967,

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

13.2315, 19.6967, 11.9086

Protanopia

18.0804, 19.4848, 10.3974

Deuteranopia

19.7084, 19.3901, 12.3768



Tritanopia

16.3302, 19.5253, 27.7190

Trichromacy



Original Color

13.2315, 19.6967, 11.9086

Protanomaly

15.6679, 19.1674, 10.8565

Deuteranomaly

16.4820, 18.9881, 12.2476

Tritanomaly

15.0348, 19.6079, 20.7616

Monochromacy



Original Color

13.2315, 19.6967, 11.9086

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.0445, 16.9336, 15.0987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2315, 19.6967, 11.9086 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(73, 136, 86)` looks like.

```
.text, #text, p{  
    color:rgb(73, 136, 86)  
}
```

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(73, 136, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 136, 86) }
```

Border

The CSS property to change the border of an element to XYZ 13.2315, 19.6967, 11.9086 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(73, 136, 86) }
```


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

```
.border{ border-color:rgb(73, 136, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 136, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 136, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 136, 86);  
box-shadow:4px 4px 4px 4px rgb(73, 136,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2315, 19.6967, 11.9086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 136, 86) }
```

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

```
.background{ background-color: rgb(73, 136,  
86) }
```

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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