

Converting Colors

XYZ(29.8036, 38.4028, 19.5368)

Have a look what the booklet for
XYZ(29.8036, 38.4028, 19.5368)
contains.

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Color

**XYZ(29.8253, 38.4142,
19.4784)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 90B16A |
| RGB | 144, 177, 106 |
| RGB Percent | 56%, 69%, 42% |
| CMY | 0.4353, 0.3059, 0.5843 |
| CMYK | 0.19, 0.00, 0.40, 0.31 |
| HSL | 88°, 31%, 55% |
| HSV | 88°, 40%, 69% |
| XYZ | 29.8253, 38.4142, 19.4784 |
| YIQ | 159.0390, 3.1230, -29.0770 |

Conversions

Conversions Part 2

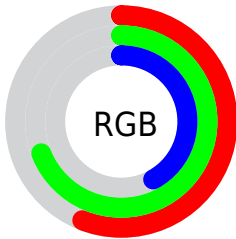
| Format | Color |
|-------------------------------------|--|
| RYB | 106, 177, 139 |
| Decimal | 9482602 |
| CIELab | 68.32, -23.70, 32.70 |
| CIELCh | 68, 40.381, 125.936 |
| Yxy | 38.4142, 0.3400, 0.4379 |
| Android (android.graphics.Color) | 4287672682 (0xFF90B16A) |
| YUV | 159.0390, -26.1482, -13.1892 |
| Hunter-Lab | 61.9792, -22.5668, 24.7522 |

Details

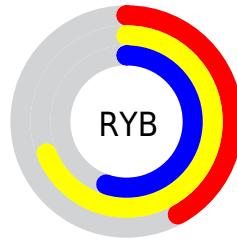
The XYZ color **29.8253, 38.4142, 19.4784** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7389, 18.9724, 44.0080**, and the grayscale version is **33.0882, 34.8114, 37.9096**.

A 20% lighter version of the original color is **58.8637, 72.8886, 43.3142**, and **12.3598, 16.9860, 6.4981** is the 20% darker color. If you saturate the color by 10%, you get **27.6134, 37.3707, 15.0561**, and if you desaturate by 10%, it is **32.3339, 39.5910, 24.9079**.

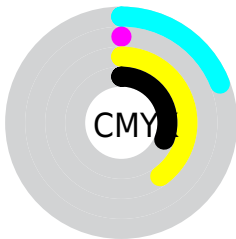
Distribution



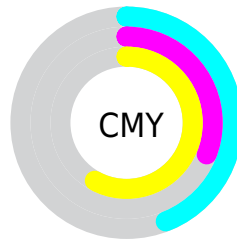
- Red (56%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (55%)



- Cyan (19%)
- Magenta (0%)
- Yellow (40%)
- Black (31%)



- Cyan (44%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8253, 38.4142, 19.4784 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 29.8253, 38.4142, 19.4784 by changing the saturation by 10% instead.

■ 29.8253, 38.4142,
19.4784

■ 29.8253, 38.4142,
19.4784

293.0137,
339.3935, 261.5874

■ 19.8534, 26.3043,
11.8362

■ 58.7743, 72.7426,
43.3883

■ 12.3962, 17.0514,
6.5110

■ 78.4822, 95.7298,
60.4931

■ 7.0882, 10.2712,
3.0845

■ 102.1661,
123.1117, 81.5892

■ 3.5642, 5.5791,
1.1379

■ 130.1914,
155.2725, 107.0951

■ 1.4586, 2.5909,
0.0000

162.9235,
192.5967, 137.4293

■ 0.2974, 0.9221,
0.0000

200.7276,

■ 0.0000, 0.0000,

235.4686, 173.0104

0.0000

243.9693,
284.2728, 214.2569

■ 29.8253, 38.4142,
19.4784

■ 29.8253, 38.4142,
19.4784

■ 27.6134, 37.3707,
15.0561

■ 32.3339, 39.5910,
24.9079

■ 25.6814, 36.4497,
11.5763

■ 35.1492, 40.9016,
31.3990

■ 24.0147, 35.6465,
8.9710


■ 38.2842, 42.3527,
39.0050


■ 22.5962, 34.9538,
7.1616


■ 41.7504, 43.9491,
47.7750


■ 21.4058, 34.3634,
6.0557


■ 45.5583, 45.6952,
57.7551

 20.4140, 33.8642,
5.4605

 49.7182, 47.5953,
68.9891

 54.2399, 49.6537,
81.5183

 59.1326, 51.8742,
95.3823

 62.7011, 53.5789,
101.6448

Harmonies

Analogous

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



35.2675, 38.4142, 15.8565



29.8253, 38.4142, 19.4784



26.4891, 38.4142, 29.1642

Triad

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



29.8253, 38.4142, 19.4784



31.7709, 38.4142, 82.4015



50.0021, 38.4142, 38.3249

Complementary

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



29.8253, 38.4142, 19.4784



23.7389, 18.9724, 44.0080

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.



48.7883, 38.4142, 57.7077



29.8253, 38.4142, 19.4784



37.7845, 38.4142, 86.9491

Square

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



29.8253, 38.4142, 19.4784



27.5183, 38.4142, 65.7952



44.1291, 38.4142, 76.8663



47.2774, 38.4142, 24.5258

Rectangle

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



29.8253, 38.4142, 19.4784



25.6685, 38.4142, 39.4048



44.1291, 38.4142, 76.8663



50.0449, 38.4142, 44.3455

Sweetspot

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



29.8263, 38.4159, 19.4792



67.3396, 75.2837, 66.8343



29.8158, 28.5517, 17.5758



14.4368, 16.2427, 14.0998



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.8263, 38.4159, 19.4792



49.9359, 67.1557, 27.8905



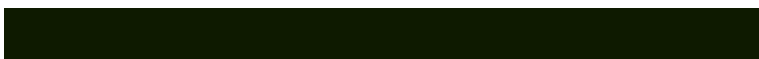
24.6994, 35.7729, 19.2393



8.8088, 9.7065, 9.0618



14.8606, 24.5710, 3.9594



0.5341, 0.8074, 0.1277

Inverse Universe

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



23.7389, 18.9724, 44.0080



37.5459, 27.5668, 77.8373



30.4246, 22.4191, 44.3209



8.4049, 8.4173, 10.6880



8.3570, 3.6440, 30.3999



0.3305, 0.1495, 0.9597

Previews

White Background



This preview shows how the XYZ color 29.8253, 38.4142, 19.4784 looks on a white background.

Color Contrast Check

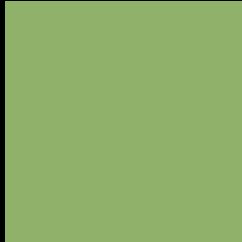
Large Text (above 18pt) WCAG AA × Fail

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 29.8253, 38.4142, 19.4784 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 ✓ Pass

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

XYZ 29.8253, 38.4142, 19.4784

Background



This preview shows how black text looks on a background with the XYZ color 29.8253, 38.4142, 19.4784.



This preview shows how white text looks on a background with the XYZ color 29.8253, 38.4142,

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

29.8253, 38.4142, 19.4784

Protanopia

35.0905, 38.0555, 18.0663

Deuteranopia

38.7658, 38.0642, 20.0558



Tritanopia

35.8607, 38.3100, 49.2206

Trichromacy



Original Color

29.8253, 38.4142, 19.4784

Protanomaly

32.9714, 38.0536, 18.4393

Deuteranomaly

34.9869, 37.9603, 19.9511

Tritanomaly

33.1581, 38.0382, 36.1663

Monochromacy



Original Color

29.8253, 38.4142, 19.4784

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.6963, 36.0359, 30.0960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8253, 38.4142, 19.4784 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(144, 177, 106)` looks like.

```
.text, #text, p{  
    color:rgb(144, 177, 106)  
}
```

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(144, 177, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 177, 106) }
```

Border

The CSS property to change the border of an element to XYZ 29.8253, 38.4142, 19.4784 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(144, 177, 106) }
```


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

```
.border{ border-color:rgb(144, 177, 106) }
```

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

Here you see how a box with a 4 pixel rgb(144, 177, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 177, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 177, 106);  
box-shadow:4px 4px 4px 4px rgb(144, 177,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8253, 38.4142, 19.4784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 177, 106) }
```

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

```
.background{ background-color: rgb(144,  
177, 106) }
```

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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