

Converting Colors

XYZ(21.0072, 29.9970, 19.5954)

Have a look what the booklet for
XYZ(21.0072, 29.9970, 19.5954)
contains.

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Color

**XYZ(21.0034, 29.9388,
19.7107)**

Conversions

Conversions Part 1

Format	Color
Hex	62A36F
RGB	98, 163, 111
RGB Percent	38%, 64%, 44%
CMY	0.6157, 0.3608, 0.5647
CMYK	0.40, 0.00, 0.32, 0.36
HSL	132°, 26%, 51%
HSV	132°, 40%, 64%
XYZ	21.0034, 29.9388, 19.7107
YIQ	137.6370, -22.0480, -29.9520

Conversions

Conversions Part 2

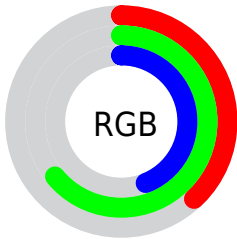
Format	Color
R_{YB}	98, 152, 163
Decimal	6464367
CIE _{Lab}	61.60, -32.20, 20.66
CIE _{LCh}	62, 38.257, 147.320
Yxy	29.9388, 0.2973, 0.4237
Android (android.graphics.Color)	4284654447 (0xFF62A36F)
YUV	137.6370, -13.1320, -34.7616
Hunter-Lab	54.7164, -27.2347, 16.9432

Details

The XYZ color **21.0034, 29.9388, 19.7107** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.9779, 18.7244, 31.1527**, and the grayscale version is **24.0742, 25.3280, 27.5821**.

A 20% lighter version of the original color is **44.4448, 59.3665, 43.7667**, and **7.7084, 12.3086, 6.6722** is the 20% darker color. If you saturate the color by 10%, you get **18.7542, 28.8572, 16.1273**, and if you desaturate by 10%, it is **23.7171, 31.2495, 23.8644**.

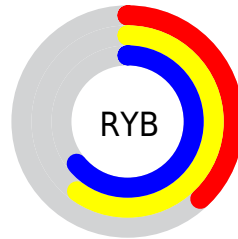
Distribution



Red (38%)

Green (64%)

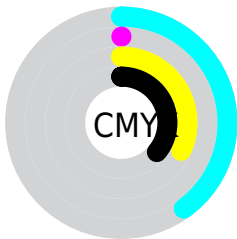
Blue (44%)



Red (38%)

Yellow (60%)

Blue (64%)

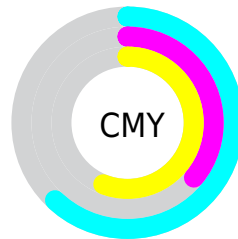


Cyan (40%)

Magenta (0%)

Yellow (32%)

Black (36%)



Cyan (62%)

Magenta (36%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0034, 29.9388, 19.7107 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 21.0034, 29.9388, 19.7107 by changing the saturation by 10% instead.

■ 21.0034, 29.9388,
19.7107

■ 21.0034, 29.9388,
19.7107

250.0279,
301.6191, 262.8969

■ 13.2390, 19.7921,
12.0029

■ 44.5844, 59.5654,
43.7842

■ 7.6714, 12.2440,
6.6231

■ 61.1317, 79.8141,
60.9870

■ 3.9355, 6.9101,
3.1527

■ 81.3374, 104.1989,
82.1919

■ 1.6657, 3.4059,
1.1731

■ 105.5667,
133.1043, 107.8175

■ 0.4346, 1.3472,
0.0000

134.1850,
166.9146, 138.2822

■ 0.0000, 0.1773,
0.0000

167.5578,

■ 0.0000, 0.0000,

206.0143, 174.0046

0.0000

206.0503,
250.7876, 215.4034

■ 21.0034, 29.9388,
19.7107

■ 21.0034, 29.9388,
19.7107

■ 18.7542, 28.8572,
16.1273

■ 23.7171, 31.2495,
23.8644

■ 16.9409, 27.9878,
13.0873

■ 26.9174, 32.7976,
28.6096

■ 15.5351, 27.3174,
10.5646


■ 30.6276, 34.5955,
33.9690


■ 14.5039, 26.8298,
8.5304


■ 34.8688, 36.6536,
39.9636


■ 13.8093, 26.5059,
6.9526


■ 39.6610, 38.9819,
46.6131


 13.3715, 26.3054,
5.7941

 45.0230, 41.5896,
53.9367

 13.3668, 26.3032,
5.7824

 50.9729, 44.4856,
61.9525

 57.5280, 47.6785,
70.6782

 64.7046, 51.1764,
80.1306

Harmonies

Analogous

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



24.2058, 29.9388, 13.5311



21.0034, 29.9388, 19.7107



19.7745, 29.9388, 31.3081

Triad

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



21.0034, 29.9388, 19.7107



28.0018, 29.9388, 69.2688



38.0422, 29.9388, 21.3749

Complementary

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



21.0034, 29.9388, 19.7107



24.9779, 18.7244, 31.1527

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.



39.3660, 29.9388, 33.9234



21.0034, 29.9388, 19.7107



33.1765, 29.9388, 64.2884

Square

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



21.0034, 29.9388, 19.7107



23.5028, 29.9388, 62.2540



37.4908, 29.9388, 50.1481



34.0603, 29.9388, 14.2718

Rectangle

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



21.0034, 29.9388, 19.7107



20.1154, 29.9388, 41.6519



37.4908, 29.9388, 50.1481



38.8320, 29.9388, 24.9620

Sweetspot

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



21.0042, 29.9400, 19.7114



53.2076, 61.1591, 58.4825



27.8806, 33.5618, 16.5639



11.7627, 13.6452, 12.8653



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.0042, 29.9400, 19.7114



33.9484, 51.8527, 29.4715



23.1309, 30.7908, 30.9107



7.0408, 7.9171, 7.8266



10.4016, 20.4470, 4.5655



0.2334, 0.4356, 0.1743

Inverse Universe

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



24.9779, 18.7244, 31.1527



42.0732, 28.8856, 52.8391



22.7131, 17.8185, 19.2267



7.3033, 7.1778, 8.5837



14.9074, 7.3190, 17.2350



0.3278, 0.1596, 0.4390

Previews

White Background



This preview shows how the XYZ color 21.0034, 29.9388, 19.7107 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 21.0034, 29.9388, 19.7107 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 21.0034, 29.9388, 19.7107

Background



This preview shows how black text looks on a background with the XYZ color 21.0034, 29.9388, 19.7107.



This preview shows how white text looks on a background with the XYZ color 21.0034, 29.9388,

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

21.0034, 29.9388, 19.7107

Protanopia

27.5858, 29.6529, 17.3664

Deuteranopia

30.0590, 29.4912, 20.6311



Tritanopia

25.3868, 29.9191, 41.4827

Trichromacy



Original Color

21.0034, 29.9388, 19.7107

Protanomaly

24.3616, 29.1624, 18.2548

Deuteranomaly

25.7977, 29.1386, 20.1842

Tritanomaly

23.6085, 29.9670, 32.1437

Monochromacy



Original Color

21.0034, 29.9388, 19.7107

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.4984, 26.6369, 24.3777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0034, 29.9388, 19.7107 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(98, 163, 111)` looks like.

```
.text, #text, p{  
    color:rgb(98, 163, 111)  
}
```

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(98, 163, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 163, 111) }
```

Border

The CSS property to change the border of an element to XYZ 21.0034, 29.9388, 19.7107 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(98, 163, 111) }
```


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

```
.border{ border-color:rgb(98, 163, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 163, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 163, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 163, 111);  
box-shadow:4px 4px 4px 4px rgb(98, 163,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0034, 29.9388, 19.7107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 163, 111) }
```

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

```
.background{ background-color: rgb(98, 163,  
111) }
```

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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