

Converting Colors

XYZ(20.0187, 29.7379, 14.6420)

Have a look what the booklet for
XYZ(20.0187, 29.7379, 14.6420)
contains.

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Color

**XYZ(20.0936, 29.8476,
14.5997)**

Conversions

Conversions Part 1

Format	Color
Hex	61A45B
RGB	97, 164, 91
RGB Percent	38%, 64%, 36%
CMY	0.6196, 0.3569, 0.6431
CMYK	0.41, 0.00, 0.45, 0.36
HSL	115°, 29%, 50%
HSV	115°, 45%, 64%
XYZ	20.0936, 29.8476, 14.5997
YIQ	135.6450, -16.4990, -36.9070

Conversions

Conversions Part 2

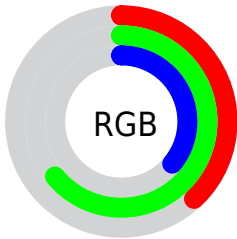
Format	Color
R_{YB}	91, 164, 158
Decimal	6399067
CIE _{Lab}	61.52, -36.29, 31.29
CIE _{LCh}	62, 47.919, 139.229
Yxy	29.8476, 0.3113, 0.4625
Android (android.graphics.Color)	4284589147 (0xFF61A45B)
YUV	135.6450, -22.0100, -33.8917
Hunter-Lab	54.6330, -29.9567, 22.3989

Details

The XYZ color **20.0936, 29.8476, 14.5997** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.5437, 17.4325, 37.1946**, and the grayscale version is **23.3537, 24.5699, 26.7567**.

A 20% lighter version of the original color is **42.9765, 59.1953, 34.7519**, and **7.2689, 12.2982, 4.2762** is the 20% darker color. If you saturate the color by 10%, you get **18.0076, 28.8461, 11.2042**, and if you desaturate by 10%, it is **22.6400, 31.0703, 18.8251**.

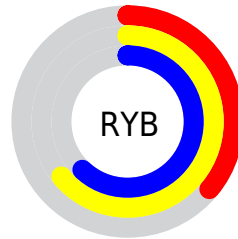
Distribution



Red (38%)

Green (64%)

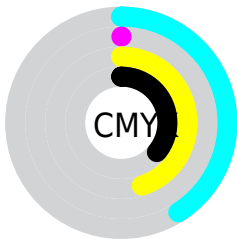
Blue (36%)



Red (36%)

Yellow (64%)

Blue (62%)

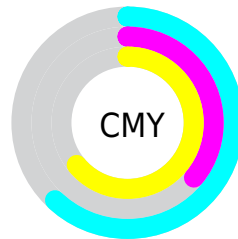


Cyan (41%)

Magenta (0%)

Yellow (45%)

Black (36%)



Cyan (62%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0936, 29.8476, 14.5997 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 20.0936, 29.8476, 14.5997 by changing the saturation by 10% instead.

■ 20.0936, 29.8476,
14.5997

■ 20.0936, 29.8476,
14.5997

245.2453,
301.1934, 232.4871

■ 12.5718, 19.7229,
8.3954

■ 43.0768, 59.4211,
34.8817

■ 7.2093, 12.1938,
4.2576

■ 59.2689, 79.6387,
49.7965

■ 3.6408, 6.8758,
1.7677

■ 79.0817, 103.9894,
68.4520

■ 1.5010, 3.3846,
0.4065

■ 102.8807,
132.8576, 91.2665

■ 0.3265, 1.3356,
0.0000

131.0312,
166.6278, 118.6588

■ 0.0000, 0.1686,
0.0000

163.8986,

■ 0.0000, 0.0000,

205.6842, 151.0473

0.0000

201.8482,
250.4113, 188.8505

■ 20.0936, 29.8476,
14.5997

■ 20.0936, 29.8476,
14.5997

■ 18.0076, 28.8461,
11.2042

■ 22.6400, 31.0703,
18.8251

■ 16.3525, 28.0492,
8.5821

■ 25.6699, 32.5225,
23.9280

■ 15.0985, 27.4437,
6.6733


■ 29.2073, 34.2163,
29.9546


■ 14.2113, 27.0134,
5.4076


■ 33.2740, 36.1622,
36.9474


■ 13.6505, 26.7394,
4.7002


■ 37.8905, 38.3699,
44.9462

 13.4491, 26.6413,
4.4334

 43.0764, 40.8485,
53.9886

 48.8500, 43.6069,
64.1103

 55.2291, 46.6534,
75.3453

 62.2306, 49.9960,
87.7261

Harmonies

Analogous

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



24.5365, 29.8476, 9.4065



20.0936, 29.8476, 14.5997



17.9891, 29.8476, 26.3945

Triad

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



20.0936, 29.8476, 14.5997



26.1489, 29.8476, 80.3512



41.5242, 29.8476, 22.2928

Complementary

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



20.0936, 29.8476, 14.5997



24.5437, 17.4325, 37.1946

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.



42.1277, 29.8476, 39.4788



20.0936, 29.8476, 14.5997



32.5817, 29.8476, 77.9361

Square

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



20.0936, 29.8476, 14.5997



21.1220, 29.8476, 66.8086



38.6526, 29.8476, 61.0867



37.1093, 29.8476, 12.5642

Rectangle

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



20.0936, 29.8476, 14.5997



17.9470, 29.8476, 38.4335



38.6526, 29.8476, 61.0867



42.2020, 29.8476, 27.2091

Sweetspot

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



20.0943, 29.8489, 14.6004



53.8955, 62.5278, 55.8804



29.4121, 33.0746, 14.7319



11.4632, 13.5169, 11.6697



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.



20.0943, 29.8489, 14.6004



32.8611, 52.4429, 20.6189



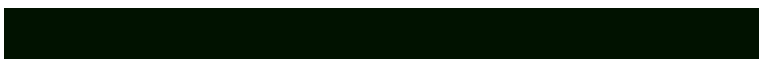
21.0676, 30.1671, 22.9367



7.0370, 7.9216, 7.5382



10.3298, 20.4357, 3.4000



0.2322, 0.4372, 0.0722

Inverse Universe

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



24.5437, 17.4325, 37.1946



41.9264, 27.0702, 66.7676



23.3260, 17.0851, 24.4715



7.3067, 7.1725, 8.9024



14.8749, 7.0748, 27.5114



0.3282, 0.1567, 0.5788

Previews

White Background



This preview shows how the XYZ color 20.0936, 29.8476, 14.5997 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 20.0936, 29.8476, 14.5997 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 20.0936, 29.8476, 14.5997

Background



This preview shows how black text looks on a background with the XYZ color 20.0936, 29.8476, 14.5997.



This preview shows how white text looks on a background with the XYZ color 20.0936, 29.8476,

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

20.0936, 29.8476, 14.5997

Protanopia

27.1299, 29.5171, 12.8618

Deuteranopia

29.9963, 29.3593, 15.1523



Tritanopia

25.4713, 29.7146, 41.4388

Trichromacy



Original Color

20.0936, 29.8476, 14.5997

Protanomaly

23.7571, 29.2026, 13.4014

Deuteranomaly

25.1623, 28.6926, 14.8017

Tritanomaly

23.0239, 29.4730, 29.2863

Monochromacy



Original Color

20.0936, 29.8476, 14.5997

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.6951, 26.0514, 21.6543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0936, 29.8476, 14.5997 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(97, 164, 91)` looks like.

```
.text, #text, p{  
    color:rgb(97, 164, 91)  
}
```

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(97, 164, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 164, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.0936, 29.8476, 14.5997 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(97, 164, 91) }
```


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

```
.border{ border-color:rgb(97, 164, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 164, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 164, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 164, 91);  
box-shadow:4px 4px 4px 4px rgb(97, 164,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0936, 29.8476, 14.5997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 164, 91) }
```

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

```
.background{ background-color: rgb(97, 164,  
91) }
```

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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