

Converting Colors

XYZ(19.9471, 29.3276, 14.9532)

Have a look what the booklet for
XYZ(19.9471, 29.3276, 14.9532)
contains.

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Color

**XYZ(19.9331, 29.2276,
14.9468)**

Conversions

Conversions Part 1

Format	Color
Hex	62A25D
RGB	98, 162, 93
RGB Percent	38%, 64%, 36%
CMY	0.6157, 0.3647, 0.6353
CMYK	0.40, 0.00, 0.43, 0.36
HSL	116°, 27%, 50%
HSV	116°, 43%, 64%
XYZ	19.9331, 29.2276, 14.9468
YIQ	134.9980, -15.9950, -35.0270

Conversions

Conversions Part 2

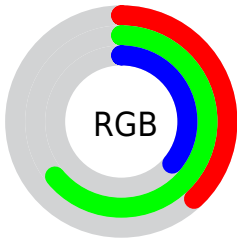
Format	Color
R_{YB}	93, 162, 157
Decimal	6464093
CIE _{Lab}	60.98, -34.76, 29.56
CIE _{LCh}	61, 45.624, 139.622
Yxy	29.2276, 0.3109, 0.4559
Android (android.graphics.Color)	4284654173 (0xFF62A25D)
YUV	134.9980, -20.7050, -32.4472
Hunter-Lab	54.0626, -28.7957, 21.4517

Details

The XYZ color **19.9331, 29.2276, 14.9468** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.3418, 17.6063, 36.2993**, and the grayscale version is **23.1076, 24.3110, 26.4747**.

A 20% lighter version of the original color is **42.7958, 58.3147, 35.3858**, and **7.1763, 11.9222, 4.4056** is the 20% darker color. If you saturate the color by 10%, you get **17.8184, 28.2126, 11.4909**, and if you desaturate by 10%, it is **22.5057, 30.4628, 19.2188**.

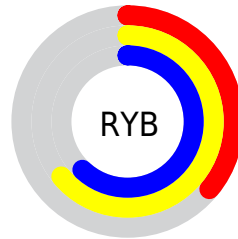
Distribution



Red (38%)

Green (64%)

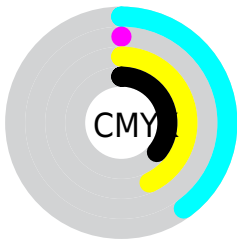
Blue (36%)



Red (36%)

Yellow (64%)

Blue (62%)

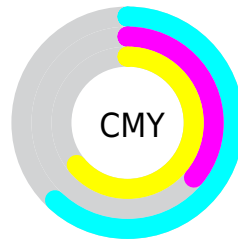


Cyan (40%)

Magenta (0%)

Yellow (43%)

Black (36%)



Cyan (62%)

Magenta (36%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9331, 29.2276, 14.9468 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 19.9331, 29.2276, 14.9468 by changing the saturation by 10% instead.

■ 19.9331, 29.2276,
14.9468

■ 19.9331, 29.2276,
14.9468

244.3932,
298.2873, 234.6737

■ 12.4544, 19.2531,
8.6358

■ 42.8098, 58.4385,
35.5008

■ 7.1283, 11.8533,
4.4109

■ 58.9385, 78.4437,
50.5809

■ 3.5895, 6.6438,
1.8533

■ 78.6813, 102.5611,
69.4212

■ 1.4726, 3.2404,
0.4628

■ 102.4034,
131.1754, 92.4402

■ 0.3071, 1.2585,
0.0000

130.4703,
164.6707, 120.0564

■ 0.0000, 0.1087,
0.0000

163.2474,

■ 0.0000, 0.0000,

203.4315, 152.6883

0.0000

201.0999,
247.8423, 190.7546

■ 19.9331, 29.2276,
14.9468

■ 19.9331, 29.2276,
14.9468

■ 17.8184, 28.2126,
11.4909

■ 22.5057, 30.4628,
19.2188

■ 16.1327, 27.4015,
8.7975

■ 25.5585, 31.9261,
24.3524

■ 14.8471, 26.7814,
6.8094


■ 29.1153, 33.6297,
30.3917


■ 13.9283, 26.3366,
5.4606


■ 33.1972, 35.5836,
37.3776


■ 13.3376, 26.0489,
4.6728


■ 37.8244, 37.7974,
45.3482

 13.0689, 25.9181,
4.3139

 43.0161, 40.2802,
54.3397

 48.7903, 43.0405,
64.3863

 55.1644, 46.0866,
75.5208

 62.1549, 49.4264,
87.7745

Harmonies

Analogous

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



24.1068, 29.2276, 9.8406



19.9331, 29.2276, 14.9468



17.9642, 29.2276, 26.2708

Triad

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



19.9331, 29.2276, 14.9468



25.7665, 29.2276, 76.2491



40.0316, 29.2276, 22.0264

Complementary

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



19.9331, 29.2276, 14.9468



24.3418, 17.6063, 36.2993

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.



40.6445, 29.2276, 38.1091



19.9331, 29.2276, 14.9468



31.8085, 29.2276, 73.8241

Square

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



19.9331, 29.2276, 14.9468



20.9982, 29.2276, 63.9417



37.4555, 29.2276, 58.1694



35.8841, 29.2276, 12.7989

Rectangle

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



19.9331, 29.2276, 14.9468



17.9446, 29.2276, 37.6306



37.4555, 29.2276, 58.1694



40.6784, 29.2276, 26.6475

Sweetspot

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



19.9338, 29.2288, 14.9474



52.4030, 60.8338, 54.4021



28.8078, 32.3340, 15.0791



11.4467, 13.5084, 11.6689



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.



19.9338, 29.2288, 14.9474



32.5622, 51.3196, 21.2087



20.9328, 29.5680, 22.9359



7.0309, 7.9184, 7.5379



10.3108, 20.4259, 3.3992



0.2301, 0.4361, 0.0721

Inverse Universe

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



24.3418, 17.6063, 36.2993



41.6158, 27.3912, 65.1498



23.0666, 17.2112, 24.3883



7.3135, 7.1760, 8.9027



15.1006, 7.1911, 27.5219



0.3313, 0.1583, 0.5790

Previews

White Background



This preview shows how the XYZ color 19.9331, 29.2276, 14.9468 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 19.9331, 29.2276, 14.9468 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 19.9331, 29.2276, 14.9468

Background



This preview shows how black text looks on a background with the XYZ color 19.9331, 29.2276, 14.9468.



This preview shows how white text looks on a background with the XYZ color 19.9331, 29.2276,

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

19.9331, 29.2276, 14.9468

Protanopia

26.4964, 28.7195, 13.1637

Deuteranopia

29.2619, 28.7520, 15.5627



Tritanopia

25.1206, 29.3091, 40.4096

Trichromacy



Original Color

19.9331, 29.2276, 14.9468

Protanomaly

23.3479, 28.4961, 13.7209

Deuteranomaly

24.7338, 28.2274, 15.2111

Tritanomaly

22.7806, 29.1038, 28.8430

Monochromacy



Original Color

19.9331, 29.2276, 14.9468

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.5416, 25.7444, 21.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9331, 29.2276, 14.9468 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, 162, 93)` looks like.

```
.text, #text, p{  
    color:rgb(98, 162, 93)  
}
```

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, 162, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 162, 93) }
```

Border

The CSS property to change the border of an element to XYZ 19.9331, 29.2276, 14.9468 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, 162, 93) }
```


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

```
.border{ border-color:rgb(98, 162, 93) }
```

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

Here you see how a box with a 4 pixel rgb(98, 162, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 162, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 162, 93);  
box-shadow:4px 4px 4px 4px rgb(98, 162,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9331, 29.2276, 14.9468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 162, 93) }
```

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

```
.background{ background-color: rgb(98, 162,  
93) }
```

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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