

Converting Colors

XYZ(19.9491, 27.5057, 16.2270)

Have a look what the booklet for
XYZ(19.9491, 27.5057, 16.2270)
contains.

XYZ(19.9655, 27.4270, 16.2982)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.9655, 27.4270,
16.2982)**

Conversions

Conversions Part 1

Format	Color
Hex	6A9B64
RGB	106, 155, 100
RGB Percent	42%, 61%, 39%
CMY	0.5843, 0.3921, 0.6078
CMYK	0.32, 0.00, 0.35, 0.39
HSL	113°, 22%, 50%
HSV	113°, 35%, 61%
XYZ	19.9655, 27.4270, 16.2982
YIQ	134.0790, -11.5490, -27.4930

Conversions

Conversions Part 2

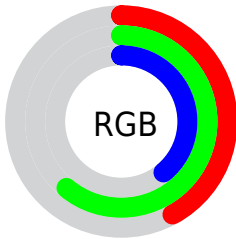
Format	Color
R_{YB}	100, 155, 149
Decimal	6986596
CIE _{Lab}	59.37, -27.64, 23.75
CIE _{LCh}	59, 36.441, 139.322
Yxy	27.4270, 0.3135, 0.4306
Android (android.graphics.Color)	4285176676 (0xFF6A9B64)
YUV	134.0790, -16.8009, -24.6253
Hunter-Lab	52.3708, -23.5987, 18.2080

Details

The XYZ color **19.9655, 27.4270, 16.2982** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.8691, 17.8712, 33.2560**, and the grayscale version is **22.7525, 23.9374, 26.0679**.

A 20% lighter version of the original color is **42.9306, 55.6985, 37.7664**, and **7.1010, 10.7892, 4.9571** is the 20% darker color. If you saturate the color by 10%, you get **17.7746, 26.3770, 12.6452**, and if you desaturate by 10%, it is **22.5649, 28.6727, 20.7166**.

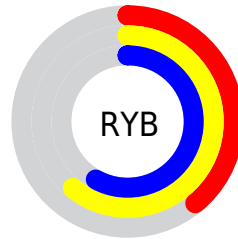
Distribution



Red (42%)

Green (61%)

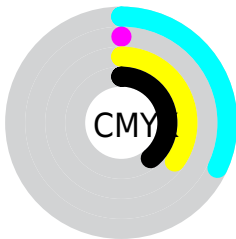
Blue (39%)



Red (39%)

Yellow (61%)

Blue (58%)

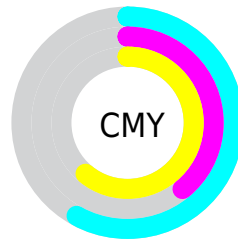


Cyan (32%)

Magenta (0%)

Yellow (35%)

Black (39%)



Cyan (58%)

Magenta (39%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9655, 27.4270, 16.2982 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 19.9655, 27.4270, 16.2982 by changing the saturation by 10% instead.

■ 19.9655, 27.4270,
16.2982

■ 19.9655, 27.4270,
16.2982

244.5654,
289.7187, 243.0005

■ 12.4781, 17.8942,
9.5788

■ 42.8637, 55.5683,
37.8891

■ 7.1447, 10.8740,
5.0186

■ 59.0052, 74.9456,
53.5976

■ 3.5999, 5.9822,
2.1993

■ 78.7622, 98.3731,
73.1397

■ 1.4784, 2.8343,
0.6740

■ 102.4999,
126.2353, 96.9337

■ 0.3110, 1.0458,
0.0000

130.5837,
158.9166, 125.3982

■ 0.0000, 0.0000,
0.0000

163.3790,

196.8013, 158.9518

201.2511,
240.2739, 198.0131

■ 19.9655, 27.4270,
16.2982

■ 19.9655, 27.4270,
16.2982

■ 17.7746, 26.3770,
12.6452

■ 22.5649, 28.6727,
20.7166

■ 15.9694, 25.5094,
9.7125

■ 25.5899, 30.1197,
25.9385

■ 14.5278, 24.8147,
7.4529


■ 29.0592, 31.7777,
32.0016


■ 13.4251, 24.2814,
5.8129


■ 32.9900, 33.6545,
38.9409

■ 12.6329, 23.8961,
4.7312

■ 37.3982, 35.7579,
46.7893


 12.1169, 23.6430,
4.1259

 42.2991, 38.0949,
55.5778

 11.9514, 23.5621,
3.9180

 47.7075, 40.6727,
65.3362

 53.6373, 43.4976,
76.0929

 60.1020, 46.5762,
87.8751

Harmonies

Analogous

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



23.2723, 27.4270, 11.8752



19.9655, 27.4270, 16.2982



18.3632, 27.4270, 25.4457

Triad

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



19.9655, 27.4270, 16.2982



24.4766, 27.4270, 61.9810



35.2543, 27.4270, 22.2980

Complementary

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



19.9655, 27.4270, 16.2982



22.8691, 17.8712, 33.2560

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.



35.6744, 27.4270, 34.7648



19.9655, 27.4270, 16.2982



29.0802, 27.4270, 60.4001

Square

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



19.9655, 27.4270, 16.2982



20.7584, 27.4270, 53.2564



33.3035, 27.4270, 49.4153



32.2149, 27.4270, 14.5747

Rectangle

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



19.9655, 27.4270, 16.2982



18.3347, 27.4270, 34.1205



33.3035, 27.4270, 49.4153



35.7189, 27.4270, 25.9759

Sweetspot

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



19.9662, 27.4282, 16.2988



48.3802, 55.1594, 50.8989



26.5007, 29.2533, 16.3067



10.7782, 12.4027, 11.2199



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



19.9662, 27.4282, 16.2988



32.4283, 47.5228, 23.6310



20.4340, 27.5358, 22.3546



6.1916, 6.9562, 6.6222



9.6166, 18.9334, 3.1477



0.1582, 0.2905, 0.0477

Inverse Universe

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



22.8691, 17.8712, 33.2560



38.4452, 27.6668, 58.8502



22.3730, 17.8025, 24.7818



6.3949, 6.2894, 7.8059



13.2025, 6.2572, 25.4196



0.2139, 0.1020, 0.3808

Previews

White Background



This preview shows how the XYZ color 19.9655, 27.4270, 16.2982 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 19.9655, 27.4270, 16.2982 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 19.9655, 27.4270, 16.2982

Background



This preview shows how black text looks on a background with the XYZ color 19.9655, 27.4270, 16.2982.



This preview shows how white text looks on a background with the XYZ color 19.9655, 27.4270,

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

19.9655, 27.4270, 16.2982

Protanopia

25.0650, 27.0423, 14.7251

Deuteranopia

27.4513, 26.9326, 16.8484



Tritanopia

24.2712, 27.4998, 37.2865

Trichromacy



Original Color

19.9655, 27.4270, 16.2982

Protanomaly

22.9079, 27.0489, 15.3228

Deuteranomaly

23.9477, 26.6439, 16.7126

Tritanomaly

22.4641, 27.4789, 28.1647

Monochromacy



Original Color

19.9655, 27.4270, 16.2982

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.4980, 25.0362, 22.1118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9655, 27.4270, 16.2982 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(106, 155, 100)` looks like.

```
.text, #text, p{  
    color:rgb(106, 155, 100)  
}
```

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(106, 155, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 155, 100) }
```

Border

The CSS property to change the border of an element to XYZ 19.9655, 27.4270, 16.2982 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(106, 155, 100) }
```


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

```
.border{ border-color:rgb(106, 155, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 155, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 155, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 155, 100);  
box-shadow:4px 4px 4px 4px rgb(106, 155,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9655, 27.4270, 16.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 155, 100) }
```

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

```
.background{ background-color: rgb(106,  
155, 100) }
```

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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