

Converting Colors

XYZ(19.4783, 27.2787, 12.3593)

Have a look what the booklet for
XYZ(19.4783, 27.2787, 12.3593)
contains.

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Color

**XYZ(19.4670, 27.2554,
12.4184)**

Conversions

Conversions Part 1

Format	Color
Hex	6C9B53
RGB	108, 155, 83
RGB Percent	42%, 61%, 33%
CMY	0.5765, 0.3921, 0.6745
CMYK	0.30, 0.00, 0.46, 0.39
HSL	99°, 30%, 47%
HSV	99°, 46%, 61%
XYZ	19.4670, 27.2554, 12.4184
YIQ	132.7390, -4.9000, -32.3560

Conversions

Conversions Part 2

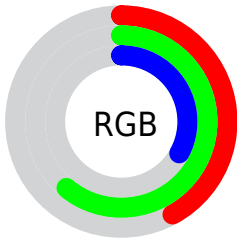
Format	Color
R_{YB}	83, 155, 130
Decimal	7117651
CIE _{Lab}	59.21, -29.45, 32.68
CIE _{LCh}	59, 43.994, 132.024
Yxy	27.2554, 0.3292, 0.4609
Android (android.graphics.Color)	4285307731 (0xFF6C9B53)
YUV	132.7390, -24.5213, -21.6961
Hunter-Lab	52.2067, -24.8021, 22.4414

Details

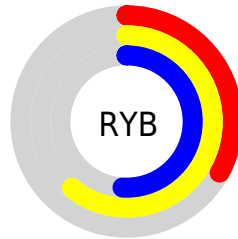
The XYZ color **19.4670, 27.2554, 12.4184** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.2169, 13.2998, 32.6189**, and the grayscale version is **22.2876, 23.4483, 25.5352**.

A 20% lighter version of the original color is **42.0476, 55.3915, 31.0297**, and **6.8410, 10.6917, 3.2933** is the 20% darker color. If you saturate the color by 10%, you get **17.7743, 26.4452, 9.5571**, and if you desaturate by 10%, it is **21.4377, 28.1951, 15.9923**.

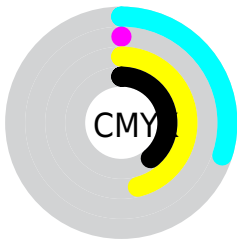
Distribution



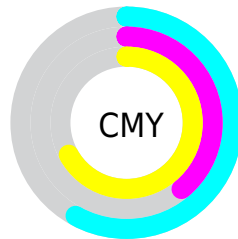
- Red (42%)
- Green (61%)
- Blue (33%)



- Red (33%)
- Yellow (61%)
- Blue (51%)



- Cyan (30%)
- Magenta (0%)
- Yellow (46%)
- Black (39%)



- Cyan (58%)
- Magenta (39%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4670, 27.2554, 12.4184 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 19.4670, 27.2554, 12.4184 by changing the saturation by 10% instead.

■ 19.4670, 27.2554,
12.4184

■ 19.4670, 27.2554,
12.4184

241.9038,
288.8916, 218.2312

■ 12.1142, 17.7651,
6.9033

■ 42.0325, 55.2934,
30.9306

■ 6.8943, 10.7815,
3.3242

■ 57.9760, 74.6100,
44.7648

■ 3.4418, 5.9201,
1.2624

■ 77.5137, 97.9707,
62.2091

■ 1.3915, 2.7966,
0.0307

■ 101.0111,
125.7601, 83.6820

■ 0.2501, 1.0265,
0.0000

■ 128.8334,
158.3625, 109.6022

■ 0.0000, 0.0000,
0.0000

161.3461,

196.1623, 140.3881

198.9144,
239.5438, 176.4582

■ 19.4670, 27.2554,
12.4184

■ 19.4670, 27.2554,
12.4184

■ 17.7743, 26.4452,
9.5571

■ 21.4377, 28.1951,
15.9923

■ 16.3438, 25.7549,
7.3587

■ 23.6972, 29.2665,
20.3204

■ 15.1608, 25.1790,
5.7704


■ 26.2582, 30.4760,
25.4431


■ 14.2082, 24.7099,
4.7301


■ 29.1319, 31.8286,
31.3975


■ 13.4626, 24.3378,
4.1460


■ 32.3290, 33.3291,
38.2184

 13.2334, 24.2230,
3.9780

 35.8595, 34.9819,
45.9386

 39.7331, 36.7914,
54.5890

 43.9590, 38.7616,
64.1994

 48.5462, 40.8966,
74.7979

Harmonies

Analogous

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



23.7698, 27.2554, 8.8528



19.4670, 27.2554, 12.4184



17.1128, 27.2554, 21.2968

Triad

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



19.4670, 27.2554, 12.4184



22.7850, 27.2554, 68.6760



37.6505, 27.2554, 23.8183

Complementary

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



19.4670, 27.2554, 12.4184



18.2169, 13.2998, 32.6189

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.



37.2880, 27.2554, 40.0082



19.4670, 27.2554, 12.4184



28.1653, 27.2554, 70.1059

Square

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



19.4670, 27.2554, 12.4184



18.8340, 27.2554, 54.8373



33.6267, 27.2554, 58.2447



34.5565, 27.2554, 13.7008

Rectangle

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



19.4670, 27.2554, 12.4184



16.7302, 27.2554, 30.7563



33.6267, 27.2554, 58.2447



37.9397, 27.2554, 28.6223

Sweetspot

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



19.4677, 27.2566, 12.4190



48.0961, 55.0821, 47.7576



23.0361, 23.5064, 11.5071



10.6605, 12.3612, 10.3478



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.



19.4677, 27.2566, 12.4190



31.6525, 47.2727, 16.8280



17.3009, 26.0876, 14.6667



6.3244, 7.0247, 6.6284



10.6665, 19.4747, 3.1968



0.1962, 0.3101, 0.0495

Inverse Universe

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



18.2169, 13.2998, 32.6189



29.0959, 19.0340, 57.6767



21.6613, 15.1756, 28.2546



6.2529, 6.2163, 7.7993



9.1216, 4.1534, 25.2286



0.1752, 0.0821, 0.3790

Previews

White Background



This preview shows how the XYZ color 19.4670, 27.2554, 12.4184 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 19.4670, 27.2554, 12.4184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

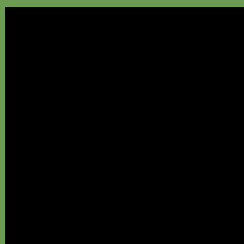
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4670, 27.2554, 12.4184

Background



This preview shows how black text looks on a background with the XYZ color 19.4670, 27.2554, 12.4184.



This preview shows how white text looks on a background with the XYZ color 19.4670, 27.2554,

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

19.4670, 27.2554, 12.4184

Protanopia

24.7584, 26.9640, 11.1074

Deuteranopia

27.5789, 27.0836, 13.0066



Tritanopia

24.1962, 27.0195, 36.2878

Trichromacy



Original Color

19.4670, 27.2554, 12.4184

Protanomaly

22.5291, 26.9356, 11.6011

Deuteranomaly

23.8966, 26.7064, 12.6995

Tritanomaly

22.0466, 26.8466, 25.4927

Monochromacy



Original Color

19.4670, 27.2554, 12.4184

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.9316, 24.5726, 19.8594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4670, 27.2554, 12.4184 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(108, 155, 83)` looks like.

```
.text, #text, p{  
    color:rgb(108, 155, 83)  
}
```

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(108, 155, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 155, 83) }
```

Border

The CSS property to change the border of an element to XYZ 19.4670, 27.2554, 12.4184 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(108, 155, 83) }
```


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

```
.border{ border-color:rgb(108, 155, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 155, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 155, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 155, 83);  
box-shadow:4px 4px 4px 4px rgb(108, 155,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4670, 27.2554, 12.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 155, 83) }
```

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

```
.background{ background-color: rgb(108,  
155, 83) }
```

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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