

Converting Colors

XYZ(18.6376, 27.4517, 6.7533)

Have a look what the booklet for
XYZ(18.6376, 27.4517, 6.7533)
contains.

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Color

**XYZ(18.5940, 27.4292,
6.7970)**

Conversions

Conversions Part 1

Format	Color
Hex	6B9D2D
RGB	107, 157, 45
RGB Percent	42%, 62%, 18%
CMY	0.5804, 0.3843, 0.8235
CMYK	0.32, 0.00, 0.71, 0.38
HSL	87°, 55%, 40%
HSV	87°, 71%, 62%
XYZ	18.5940, 27.4292, 6.7970
YIQ	129.2820, 6.1520, -45.4320

Conversions

Conversions Part 2

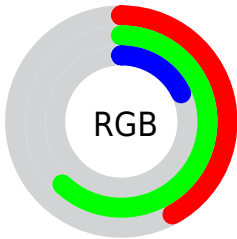
Format	Color
RYB	45, 157, 95
Decimal	7052589
CIELab	59.37, -34.61, 50.61
CIELCh	59, 61.313, 124.369
Yxy	27.4292, 0.3520, 0.5193
Android (android.graphics.Color)	4285242669 (0xFF6B9D2D)
YUV	129.2820, -41.5510, -19.5413
Hunter-Lab	52.3729, -28.2795, 28.9663

Details

The XYZ color **18.5940, 27.4292, 6.7970** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.7448, 6.7449, 32.5827**, and the grayscale version is **21.1057, 22.2048, 24.1811**.

A 20% lighter version of the original color is **40.6484, 55.6502, 20.1544**, and **6.5198, 10.8600, 1.7526** is the 20% darker color. If you saturate the color by 10%, you get **17.5375, 26.9141, 5.4528**, and if you desaturate by 10%, it is **19.8326, 28.0269, 8.7377**.

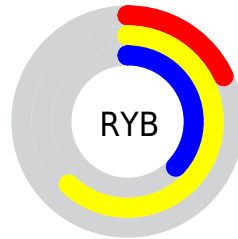
Distribution



Red (42%)

Green (62%)

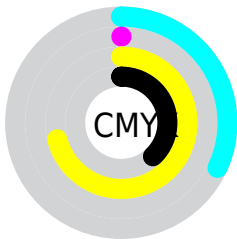
Blue (18%)



Red (18%)

Yellow (62%)

Blue (37%)

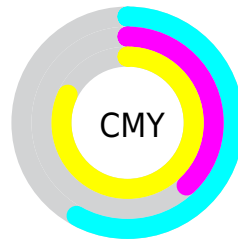


Cyan (32%)

Magenta (0%)

Yellow (71%)

Black (38%)



Cyan (58%)


Magenta (38%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5940, 27.4292, 6.7970 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 18.5940, 27.4292, 6.7970 by changing the saturation by 10% instead.


 18.5940, 27.4292,
6.7970


 18.5940, 27.4292,
6.7970


237.1795,
289.7293, 175.5325


 11.4795, 17.8958,
3.2590


 40.5691, 55.5718,
20.0695


 6.4600, 10.8752,
1.2283


 56.1605, 74.9499,
30.6411


 3.1701, 5.9830,
0.0019

 75.3082, 98.3783,
44.3942

 1.2443, 2.8347,
0.0000

 98.3776, 126.2414,
61.7475

 0.1409, 1.0461,
0.0000

 125.7341,
158.9237, 83.1194

 0.0000, 0.0000,
0.0000

 157.7430,

196.8095, 108.9285

194.7697,
240.2832, 139.5934

■ 18.5940, 27.4292,
6.7970

■ 18.5940, 27.4292,
6.7970

■ 17.5375, 26.9141,
5.4528

■ 19.8326, 28.0269,
8.7377

■ 16.6464, 26.4719,
4.6337

■ 21.2640, 28.7089,
11.3321

■ 15.9793, 26.1369,
4.2027

■ 22.9003, 29.4811,
14.6328

■ 24.7518, 30.3478,
18.6863

■ 26.8280, 31.3129,
23.5354

■ 29.1378, 32.3802,
29.2195

■ 31.6895, 33.5532,
35.7754

■ 34.4909, 34.8351,
43.2379

■ 37.5495, 36.2291,
51.6397

Harmonies

Analogous

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



24.9623, 27.4292, 4.4348



18.5940, 27.4292, 6.7970



14.8982, 27.4292, 15.0572

Triad

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



18.5940, 27.4292, 6.7970



20.1924, 27.4292, 86.4938



43.7323, 27.4292, 26.7598

Complementary

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



18.5940, 27.4292, 6.7970



11.7448, 6.7449, 32.5827

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.



41.7723, 27.4292, 52.1392



18.5940, 27.4292, 6.7970



27.2113, 27.4292, 94.9583

Square

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



18.5940, 27.4292, 6.7970



15.6860, 27.4292, 60.6515



35.3229, 27.4292, 80.1144



40.2514, 27.4292, 11.7931

Rectangle

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



18.5940, 27.4292, 6.7970



13.9671, 27.4292, 25.9066



35.3229, 27.4292, 80.1144



43.6923, 27.4292, 34.2090

Sweetspot

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



18.5946, 27.4304, 6.7976



48.0170, 56.0631, 42.0827



18.3407, 15.2813, 4.4660



10.3499, 12.2362, 8.7453



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.



18.5946, 27.4304, 6.7976



30.3651, 47.6830, 8.7374



13.9718, 25.0473, 6.5812



6.8841, 7.5729, 7.0846



13.0206, 21.2491, 3.4152



0.2811, 0.4048, 0.0633

Inverse Universe

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



11.7448, 6.7449, 32.5827



17.3777, 8.3358, 57.8198



19.5173, 10.7517, 32.9465



6.5518, 6.5729, 8.3301



7.0413, 3.0589, 26.1265



0.1739, 0.0794, 0.4694

Previews

White Background



This preview shows how the XYZ color 18.5940, 27.4292, 6.7970 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 18.5940, 27.4292, 6.7970 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 18.5940, 27.4292, 6.7970

Background



This preview shows how black text looks on a background with the XYZ color 18.5940, 27.4292, 6.7970.



This preview shows how white text looks on a background with the XYZ color 18.5940, 27.4292,

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

18.5940, 27.4292, 6.7970

Protanopia

24.7199, 27.2786, 6.0602

Deuteranopia

27.6667, 27.0500, 7.1311



Tritanopia

24.6313, 27.4736, 36.3525

Trichromacy



Original Color

18.5940, 27.4292, 6.7970

Protanomaly

21.9923, 27.0097, 6.2448

Deuteranomaly

23.3471, 26.5506, 6.9119

Tritanomaly

21.6136, 27.1995, 20.9405

Monochromacy



Original Color

18.5940, 27.4292, 6.7970

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.3224, 23.4120, 15.0558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5940, 27.4292, 6.7970 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(107, 157, 45)` looks like.

```
.text, #text, p{  
    color:rgb(107, 157, 45)  
}
```

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(107, 157, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 157, 45) }
```

Border

The CSS property to change the border of an element to XYZ 18.5940, 27.4292, 6.7970 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(107, 157, 45) }
```


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

```
.border{ border-color:rgb(107, 157, 45) }
```

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

Here you see how a box with a 4 pixel rgb(107, 157, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 157, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 157, 45);  
box-shadow:4px 4px 4px 4px rgb(107, 157,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5940, 27.4292, 6.7970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 157, 45) }
```

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

```
.background{ background-color: rgb(107,  
157, 45) }
```

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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