

Converting Colors

XYZ(12.2561, 18.6227, 9.6052)

Have a look what the booklet for
XYZ(12.2561, 18.6227, 9.6052)
contains.

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Color

**XYZ(12.2561, 18.6227,
9.6052)**

Conversions

Conversions Part 1

Format	Color
Hex	47854B
RGB	71, 133, 75
RGB Percent	28%, 52%, 29%
CMY	0.7216, 0.4784, 0.7059
CMYK	0.47, 0.00, 0.44, 0.48
HSL	124°, 30%, 40%
HSV	124°, 47%, 52%
XYZ	12.2561, 18.6227, 9.6052
YIQ	107.8500, -18.3340, -31.1820

Conversions

Conversions Part 2

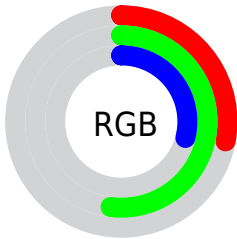
Format	Color
RYB	71, 129, 133
Decimal	4687179
CIELab	50.24, -32.92, 25.18
CIElCh	50, 41.450, 142.592
Yxy	18.6227, 0.3027, 0.4600
Android (android.graphics.Color)	4282877259 (0xFF47854B)
YUV	107.8500, -16.1950, -32.3174
Hunter-Lab	43.1540, -24.8241, 17.0111

Details

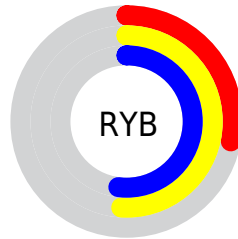
The XYZ color **12.2561, 18.6227, 9.6052** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.8892, 11.0784, 22.0705**, and the grayscale version is **14.2599, 15.0025, 16.3377**.

A 20% lighter version of the original color is **29.6404, 41.2323, 25.7984**, and **3.5287, 6.3854, 2.2089** is the 20% darker color. If you saturate the color by 10%, you get **11.0004, 18.0204, 7.5369**, and if you desaturate by 10%, it is **13.8096, 19.3700, 12.1231**.

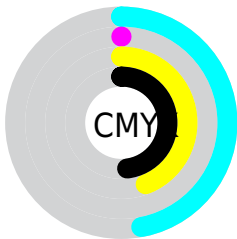
Distribution



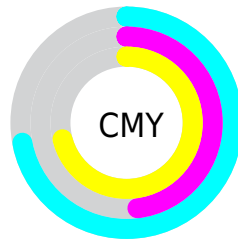
- Red (28%)
- Green (52%)
- Blue (29%)



- Red (28%)
- Yellow (51%)
- Blue (52%)



- Cyan (47%)
- Magenta (0%)
- Yellow (44%)
- Black (48%)



- Cyan (72%)
- Magenta (48%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2561, 18.6227, 9.6052 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 12.2561, 18.6227, 9.6052 by changing the saturation by 10% instead.

■ 12.2561, 18.6227,
9.6052

■ 12.2561, 18.6227,
9.6052

199.8289,
244.3579, 198.2120

■ 6.9918, 11.3980,
5.0358

■ 29.5735, 41.0956,
25.6463

■ 3.5032, 6.3352,
2.2092

■ 42.3573, 57.1125,
37.9552

■ 1.4251, 3.0499,
0.6797

■ 58.3783, 76.8290,
53.6809

■ 0.2740, 1.1579,
0.0000

■ 78.0019, 100.6293,
73.2421

■ 0.0000, 0.0269,
0.0000

■ 101.5934,
128.8980, 97.0572

■ 0.0000, 0.0000,
0.0000

129.5182,

162.0194, 125.5449

162.1415,
200.3779, 159.1236

■ 12.2561, 18.6227,
9.6052

■ 12.2561, 18.6227,
9.6052

■ 11.0004, 18.0204,
7.5369

■ 13.8096, 19.3700,
12.1231

■ 10.0222, 17.5515,
5.8905

■ 15.6767, 20.2683,
15.1135

■ 9.3006, 17.2065,
4.6374


■ 17.8740, 21.3261,
18.5994


■ 8.8116, 16.9737,
3.7448


■ 20.4163, 22.5508,
22.6017


■ 8.5155, 16.8334,
3.1741


■ 23.3176, 23.9490,
27.1403

 8.4349, 16.7946,
3.0436

 26.5910, 25.5271,
32.2340

 30.2491, 27.2913,
37.9006

 34.3039, 29.2474,
44.1573

 38.7668, 31.4008,
51.0203

Harmonies

Analogous

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



14.9010, 18.6227, 5.9612



12.2561, 18.6227, 9.6052



11.1037, 18.6227, 17.5617

Triad

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



12.2561, 18.6227, 9.6052



16.7250, 18.6227, 50.9934



25.8138, 18.6227, 12.9232

Complementary

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



12.2561, 18.6227, 9.6052



15.8892, 11.0784, 22.0705

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.



26.4978, 18.6227, 23.2585



12.2561, 18.6227, 9.6052



20.8299, 18.6227, 48.2519

Square

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



12.2561, 18.6227, 9.6052



13.4183, 18.6227, 43.3543



24.5567, 18.6227, 36.8622



22.8082, 18.6227, 7.3103

Rectangle

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



12.2561, 18.6227, 9.6052



11.1927, 18.6227, 25.4808



24.5567, 18.6227, 36.8622



26.3396, 18.6227, 15.8347

Sweetspot

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



12.2566, 18.6235, 9.6056



32.9983, 38.6663, 34.8707



18.7163, 21.9689, 9.2153



7.2532, 8.6240, 7.5704



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.2566, 18.6235, 9.6056



19.5689, 32.2072, 13.2804



13.5416, 19.1375, 16.3723



4.6276, 5.2093, 5.0501



8.0353, 15.9970, 2.9052



0.0286, 0.0557, 0.0140

Inverse Universe

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



15.8892, 11.0784, 22.0705



26.9145, 16.9347, 38.4744



14.1740, 10.3923, 13.0386



4.8453, 4.7578, 5.7975



12.7053, 6.1465, 18.8182



0.0450, 0.0217, 0.0703

Previews

White Background



This preview shows how the XYZ color 12.2561, 18.6227, 9.6052 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 12.2561, 18.6227, 9.6052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

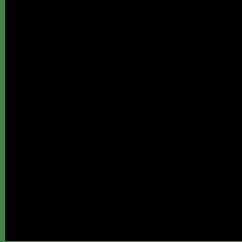
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.2561, 18.6227, 9.6052

Background



This preview shows how black text looks on a background with the XYZ color 12.2561, 18.6227, 9.6052.



This preview shows how white text looks on a background with the XYZ color 12.2561, 18.6227,

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

12.2561, 18.6227, 9.6052

Protanopia

16.9082, 18.3817, 8.4512

Deuteranopia

18.7930, 18.4535, 10.1608



Tritanopia

15.5609, 18.5841, 26.0595

Trichromacy



Original Color

12.2561, 18.6227, 9.6052

Protanomaly

14.6840, 18.1344, 8.8572

Deuteranomaly

15.5486, 18.0067, 9.8639

Tritanomaly

14.1120, 18.5777, 18.7617

Monochromacy



Original Color

12.2561, 18.6227, 9.6052

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.1919, 16.0000, 13.4594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2561, 18.6227, 9.6052 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(71, 133, 75)` looks like.

```
.text, #text, p{  
    color:rgb(71, 133, 75)  
}
```

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(71, 133, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 133, 75) }
```

Border

The CSS property to change the border of an element to XYZ 12.2561, 18.6227, 9.6052 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(71, 133, 75) }
```


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

```
.border{ border-color:rgb(71, 133, 75) }
```

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

Here you see how a box with a 4 pixel rgb(71, 133, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 133, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 133, 75);  
box-shadow:4px 4px 4px 4px rgb(71, 133,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2561, 18.6227, 9.6052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 133, 75) }
```

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

```
.background{ background-color: rgb(71, 133,  
75) }
```

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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