

Converting Colors

XYZ(12.6872, 18.0671, 13.2166)

Have a look what the booklet for
XYZ(12.6872, 18.0671, 13.2166)
contains.

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Color

**XYZ(12.7061, 18.1720,
13.1938)**

Conversions

Conversions Part 1

Format	Color
Hex	49825D
RGB	73, 130, 93
RGB Percent	29%, 51%, 36%
CMY	0.7137, 0.4902, 0.6353
CMYK	0.44, 0.00, 0.28, 0.49
HSL	141°, 28%, 40%
HSV	141°, 44%, 51%
XYZ	12.7061, 18.1720, 13.1938
YIQ	108.7390, -22.0950, -23.5910

Conversions

Conversions Part 2

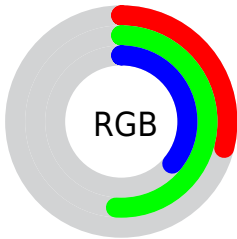
Format	Color
RYB	73, 115, 130
Decimal	4817501
CIELab	49.70, -27.55, 14.31
CIELCh	50, 31.045, 152.544
Yxy	18.1720, 0.2883, 0.4123
Android (android.graphics.Color)	4283007581 (0xFF49825D)
YUV	108.7390, -7.7593, -31.3431
Hunter-Lab	42.6286, -21.3955, 11.4895

Details

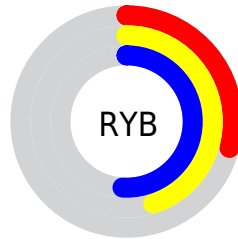
The XYZ color **12.7061, 18.1720, 13.1938** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4036, 10.6372, 16.0467**, and the grayscale version is **14.4881, 15.2426, 16.5992**.

A 20% lighter version of the original color is **30.2036, 40.1352, 32.1416**, and **3.6910, 6.1020, 3.6726** is the 20% darker color. If you saturate the color by 10%, you get **11.4689, 17.5755, 11.2914**, and if you desaturate by 10%, it is **14.1915, 18.8926, 15.3240**.

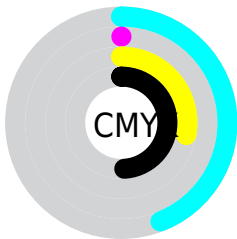
Distribution



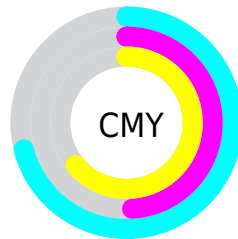
- Red (29%)
- Green (51%)
- Blue (36%)



- Red (29%)
- Yellow (45%)
- Blue (51%)



- Cyan (44%)
- Magenta (0%)
- Yellow (28%)
- Black (49%)





- Cyan (71%)
- Magenta (49%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7061, 18.1720, 13.1938 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 12.7061, 18.1720, 13.1938 by changing the saturation by 10% instead.

 12.7061, 18.1720,
13.1938


 12.7061, 18.1720,
13.1938


202.7013,
241.8387, 223.4073


 7.3021, 11.0735,
7.4298


 30.3806, 40.3302,
32.3478


 3.6997, 6.1163,
3.6498

 43.3818, 56.1587,
46.5749


 1.5337, 2.9159,
1.4353

 59.6460, 75.6661,
64.4602

 0.3486, 1.0880,
0.1690

 79.5388, 99.2366,
86.4221

 0.0000, 0.0000,
0.0000

 103.4253,
127.2547, 112.8792

131.6710,

160.1049, 144.2501

164.6412,
198.1714, 180.9533

■ 12.7061, 18.1720,
13.1938

■ 12.7061, 18.1720,
13.1938

■ 11.4689, 17.5755,
11.2914

■ 14.1915, 18.8926,
15.3240

■ 10.4641, 17.0938,
9.6079

■ 15.9367, 19.7418,
17.6880

■ 9.6764, 16.7195,
8.1357


■ 17.9543, 20.7264,
20.2931

■ 9.0880, 16.4436,
6.8661


■ 20.2557, 21.8520,
23.1460


■ 8.6764, 16.2548,
5.7899


■ 22.8517, 23.1242,
26.2531

 8.4685, 16.1601,
5.2178

 25.7522, 24.5480,
29.6204

 28.9671, 26.1282,
33.2540

 32.5054, 27.8695,
37.1595

 36.3760, 29.7763,
41.3425

Harmonies

Analogous

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



14.3930, 18.1720, 8.9974



12.7061, 18.1720, 13.1938



12.1963, 18.1720, 20.5171

Triad

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



12.7061, 18.1720, 13.1938



17.5253, 18.1720, 40.8924



22.5161, 18.1720, 12.2621

Complementary

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



12.7061, 18.1720, 13.1938



14.4036, 10.6372, 16.0467

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.



23.5904, 18.1720, 19.0729



12.7061, 18.1720, 13.1938



20.5112, 18.1720, 36.9108

Square

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



12.7061, 18.1720, 13.1938



14.7832, 18.1720, 38.0158



22.8183, 18.1720, 28.2740



20.0254, 18.1720, 8.5771

Rectangle

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



12.7061, 18.1720, 13.1938



12.5392, 18.1720, 26.7011



22.8183, 18.1720, 28.2740



23.0669, 18.1720, 14.1819

Sweetspot

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



12.7066, 18.1727, 13.1942



31.8280, 36.6022, 36.0019



15.6225, 19.7653, 9.2954



7.0416, 8.2053, 7.9431



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.7066, 18.1727, 13.1942



20.1271, 30.9172, 19.7724



14.2097, 18.7740, 21.1097



4.3335, 4.8417, 4.9275



8.1227, 15.4956, 5.0188



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4036, 10.6372, 16.0467



23.5313, 15.7706, 25.4720



13.0949, 10.1138, 9.1555



4.4361, 4.3876, 5.1008



10.3793, 5.1714, 8.5872



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7061, 18.1720, 13.1938 looks on a white 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

Black Background



This preview shows how the XYZ color 12.7061, 18.1720, 13.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

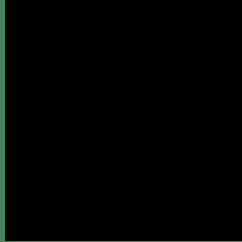
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.7061, 18.1720, 13.1938

Background



This preview shows how black text looks on a background with the XYZ color 12.7061, 18.1720, 13.1938.



This preview shows how white text looks on a background with the XYZ color 12.7061, 18.1720,

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

12.7061, 18.1720, 13.1938

Protanopia

16.6858, 17.8463, 11.5821

Deuteranopia

18.2161, 17.9076, 13.8057



Tritanopia

15.2741, 18.2555, 25.6403

Trichromacy



Original Color

12.7061, 18.1720, 13.1938

Protanomaly

14.8261, 17.7661, 12.0990

Deuteranomaly

15.5182, 17.5489, 13.6357

Tritanomaly

14.2040, 18.1971, 20.5331

Monochromacy



Original Color

12.7061, 18.1720, 13.1938

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.6333, 16.1886, 15.2381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7061, 18.1720, 13.1938 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(73, 130, 93)` looks like.

```
.text, #text, p{  
    color:rgb(73, 130, 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(73, 130, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 130, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.7061, 18.1720, 13.1938 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(73, 130, 93) }
```


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

```
.border{ border-color:rgb(73, 130, 93) }
```

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

Here you see how a box with a 4 pixel rgb(73, 130, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 130, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 130, 93);  
box-shadow:4px 4px 4px 4px rgb(73, 130,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7061, 18.1720, 13.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 130, 93) }
```

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

```
.background{ background-color: rgb(73, 130,  
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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