

Converting Colors

XYZ(12.5661, 18.7187, 8.6802)

Have a look what the booklet for
XYZ(12.5661, 18.7187, 8.6802)
contains.

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Color

**XYZ(12.6349, 18.8370,
8.7643)**

Conversions

Conversions Part 1

Format	Color
Hex	4E8546
RGB	78, 133, 70
RGB Percent	31%, 52%, 27%
CMY	0.6941, 0.4784, 0.7255
CMYK	0.41, 0.00, 0.47, 0.48
HSL	112°, 31%, 40%
HSV	112°, 47%, 52%
XYZ	12.6349, 18.8370, 8.7643
YIQ	109.3730, -12.5570, -31.2530

Conversions

Conversions Part 2

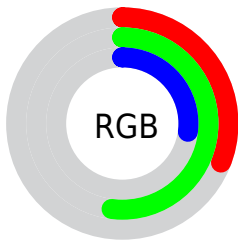
Format	Color
R_{YB}	70, 133, 125
Decimal	5145926
CIE _{Lab}	50.50, -31.44, 28.29
CIE _{LCh}	50, 42.297, 138.014
Yxy	18.8370, 0.3140, 0.4682
Android (android.graphics.Color)	4283336006 (0xFF4E8546)
YUV	109.3730, -19.4109, -27.5141
Hunter-Lab	43.4016, -23.9886, 18.4084

Details

The XYZ color **12.6349, 18.8370, 8.7643** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8822, 10.4344, 23.4210**, and the grayscale version is **14.6983, 15.4638, 16.8401**.

A 20% lighter version of the original color is **30.3060, 41.6184, 23.8886**, and **3.6841, 6.4721, 1.9192** is the 20% darker color. If you saturate the color by 10%, you get **11.3920, 18.2401, 6.7522**, and if you desaturate by 10%, it is **14.1397, 19.5593, 11.2749**.

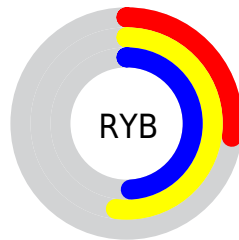
Distribution



Red (31%)

Green (52%)

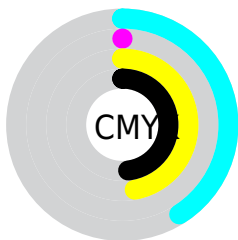
Blue (27%)



Red (27%)

Yellow (52%)

Blue (49%)

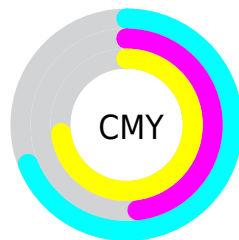


Cyan (41%)

Magenta (0%)

Yellow (47%)

Black (48%)



Cyan (69%)

Magenta (48%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6349, 18.8370, 8.7643 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 12.6349, 18.8370, 8.7643 by changing the saturation by 10% instead.

■ 12.6349, 18.8370,
8.7643

■ 12.6349, 18.8370,
8.7643

202.2496,
245.5474, 191.7626

■ 7.2529, 11.5526,
4.4931

■ 30.2532, 41.4585,
24.0141

■ 3.6685, 6.4398,
1.8995

■ 43.2202, 57.5643,
35.8298

■ 1.5163, 3.1143,
0.4924

■ 59.4463, 77.3794,
50.9974

■ 0.3369, 1.1917,
0.0000

■ 79.2967, 101.2881,
69.9354

■ 0.0000, 0.0549,
0.0000

■ 103.1369,
129.6749, 93.0624

■ 0.0000, 0.0000,
0.0000

131.3322,

162.9241, 120.7969

164.2480,
201.4202, 153.5574

■ 12.6349, 18.8370,
8.7643

■ 12.6349, 18.8370,
8.7643

■ 11.3920, 18.2401,
6.7522

■ 14.1397, 19.5593,
11.2749

■ 10.3947, 17.7592,
5.2043

■ 15.9190, 20.4112,
14.3130

■ 9.6268, 17.3873,
4.0837

■ 17.9860, 21.3993,
17.9066

■ 9.0694, 17.1157,
3.3478

■ 20.3527, 22.5295,
22.0814

■ 8.6944, 16.9317,
2.9104

■ 23.0306, 23.8070,
26.8618

■ 8.6171, 16.8940,
2.8067

■ 26.0303, 25.2368,
32.2705

■ 29.3622, 26.8238,
38.3290

■ 33.0359, 28.5725,
45.0580

■ 37.0610, 30.4874,
52.4772

Harmonies

Analogous

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



15.5629, 18.8370, 5.6108



12.6349, 18.8370, 8.7643



11.2159, 18.8370, 16.1481

Triad

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



12.6349, 18.8370, 8.7643



16.3079, 18.8370, 51.6935



26.5491, 18.8370, 14.2605

Complementary

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



12.6349, 18.8370, 8.7643



14.8822, 10.4344, 23.4210

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.



26.8307, 18.8370, 25.5948



12.6349, 18.8370, 8.7643



20.4688, 18.8370, 50.5575

Square

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



12.6349, 18.8370, 8.7643



13.1079, 18.8370, 42.4340



24.4657, 18.8370, 39.7515



23.7469, 18.8370, 7.8410

Rectangle

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



12.6349, 18.8370, 8.7643



11.1462, 18.8370, 23.8408



24.4657, 18.8370, 39.7515



26.9557, 18.8370, 17.5053

Sweetspot

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



12.6354, 18.8378, 8.7647



33.4426, 38.9100, 34.2335



18.0623, 19.9959, 8.7022



7.3635, 8.6845, 7.4124



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.



12.6354, 18.8378, 8.7647



20.2162, 32.5743, 11.8003



12.8942, 18.8702, 13.3424



4.6672, 5.2310, 4.9931



8.2118, 16.0933, 2.6735



0.0317, 0.0574, 0.0094

Inverse Universe

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



14.8822, 10.4344, 23.4210



24.7362, 15.5673, 41.4394



14.6728, 10.4910, 15.9756



4.8013, 4.7337, 5.8614



10.9123, 5.1596, 21.5575



0.0418, 0.0200, 0.0749

Previews

White Background



This preview shows how the XYZ color 12.6349, 18.8370, 8.7643 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 12.6349, 18.8370, 8.7643 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 12.6349, 18.8370, 8.7643

Background



This preview shows how black text looks on a background with the XYZ color 12.6349, 18.8370, 8.7643.



This preview shows how white text looks on a background with the XYZ color 12.6349, 18.8370,

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

12.6349, 18.8370, 8.7643

Protanopia

17.1863, 18.7201, 7.7086

Deuteranopia

18.9644, 18.5624, 9.2400



Tritanopia

16.1212, 18.8729, 26.0857

Trichromacy



Original Color

12.6349, 18.8370, 8.7643

Protanomaly

15.0288, 18.5172, 8.0923

Deuteranomaly

15.9251, 18.2207, 8.9809

Tritanomaly

14.6126, 18.8488, 18.1972

Monochromacy



Original Color

12.6349, 18.8370, 8.7643

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.5810, 16.3798, 13.2723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6349, 18.8370, 8.7643 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(78, 133, 70)` looks like.

```
.text, #text, p{  
    color:rgb(78, 133, 70)  
}
```

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(78, 133, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 133, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.6349, 18.8370, 8.7643 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(78, 133, 70) }
```


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

```
.border{ border-color:rgb(78, 133, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 133, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 133, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 133, 70);  
box-shadow:4px 4px 4px 4px rgb(78, 133,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6349, 18.8370, 8.7643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 133, 70) }
```

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

```
.background{ background-color: rgb(78, 133,  
70) }
```

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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