

Converting Colors

XYZ(9.4748, 12.8134, 3.4127)

Have a look what the booklet for
XYZ(9.4748, 12.8134, 3.4127)
contains.

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Color

**XYZ(9.4748, 12.8134,
3.4127)**

Conversions

Conversions Part 1

Format	Color
Hex	566C21
RGB	86, 108, 33
RGB Percent	34%, 42%, 13%
CMY	0.6627, 0.5765, 0.8706
CMYK	0.20, 0.00, 0.69, 0.58
HSL	78°, 53%, 28%
HSV	78°, 69%, 42%
XYZ	9.4748, 12.8134, 3.4127
YIQ	92.8720, 10.9630, -27.9890

Conversions

Conversions Part 2

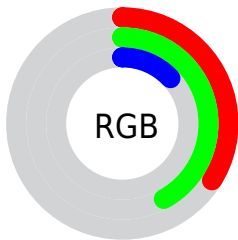
Format	Color
R_{YB}	33, 108, 55
Decimal	5663777
CIE _{Lab}	42.48, -20.24, 37.77
CIE _{LCh}	42, 42.850, 118.181
Y _{xy}	12.8134, 0.3687, 0.4986
Android (android.graphics.Color)	4283853857 (0xFF566C21)
YUV	92.8720, -29.5169, -6.0267
Hunter-Lab	35.7958, -15.3955, 19.4045

Details

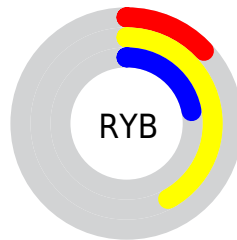
The XYZ color **9.4748, 12.8134, 3.4127** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.8267, 2.9830, 14.5096**, and the grayscale version is **10.4398, 10.9835, 11.9610**.

A 20% lighter version of the original color is **24.5750, 31.1541, 12.7007**, and **2.4152, 3.6438, 0.5760** is the 20% darker color. If you saturate the color by 10%, you get **9.0620, 12.6158, 2.7268**, and if you desaturate by 10%, it is **9.9497, 13.0383, 4.3557**.

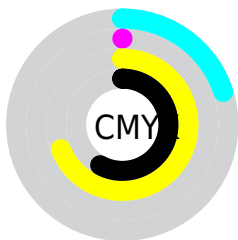
Distribution



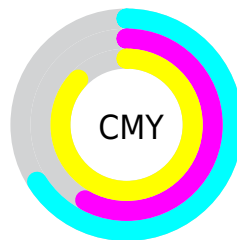
- Red (34%)
- Green (42%)
- Blue (13%)



- Red (13%)
- Yellow (42%)
- Blue (22%)



- Cyan (20%)
- Magenta (0%)
- Yellow (69%)
- Black (58%)



- Cyan (66%)
- Magenta (58%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4748, 12.8134, 3.4127 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 9.4748, 12.8134, 3.4127 by changing the saturation by 10% instead.

■ 9.4748, 12.8134,
3.4127

■ 9.4748, 12.8134,
3.4127

181.0145,
209.7183, 141.4549

■ 5.1117, 7.3002,
1.3090

■ 24.4616, 30.9681,
12.6309

■ 2.3484, 3.6505,
0.0692

■ 35.8160, 44.3784,
20.5825

■ 0.8193, 1.4801,
0.0000

■ 50.2316, 61.1899,
31.3204

■ 0.0000, 0.2746,
0.0000

■ 68.0737, 81.7869,
45.2633

■ 0.0000, 0.0000,
0.0000

■ 89.7077, 106.5539,
62.8297

■ 115.4990,

135.8751, 84.4380

145.8128,
170.1352, 110.5069

9.4748, 12.8134,
3.4127

9.4748, 12.8134,
3.4127

9.0620, 12.6158,
2.7268

9.9497, 13.0383,
4.3557

8.7054, 12.4417,
2.2716

10.4903, 13.2905,
5.5772

8.3860, 12.2839,
1.9463

11.1007, 13.5721,
7.0971

8.3686, 12.2753,
1.9283

11.7845, 13.8847,
8.9336

12.5450, 14.2295,
11.1030

■ 13.3852, 14.6078,
13.6210

■ 14.3081, 15.0208,
16.5018

■ 15.3165, 15.4696,
19.7592

■ 16.4128, 15.9551,
23.4059

Harmonies

Analogous

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



12.3770, 12.8134, 2.6556



9.4748, 12.8134, 3.4127



7.6269, 12.8134, 6.5178

Triad

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



9.4748, 12.8134, 3.4127



9.1889, 12.8134, 35.1807



19.5009, 12.8134, 14.5239

Complementary

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



9.4748, 12.8134, 3.4127



4.8267, 2.9830, 14.5096

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.



18.2552, 12.8134, 25.5880



9.4748, 12.8134, 3.4127



11.9827, 12.8134, 40.3508

Square

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



9.4748, 12.8134, 3.4127



7.4835, 12.8134, 24.1506



15.3536, 12.8134, 36.2371



18.5146, 12.8134, 7.1245

Rectangle

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



9.4748, 12.8134, 3.4127



7.0550, 12.8134, 10.6163



15.3536, 12.8134, 36.2371



19.3255, 12.8134, 17.9211

Sweetspot

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



9.4751, 12.8140, 3.4130



21.7275, 24.8466, 18.6313



7.7902, 5.9601, 2.1788



5.1919, 5.9836, 4.3162



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



9.4751, 12.8140, 3.4130



15.5334, 21.9648, 4.2765



6.9163, 11.4948, 3.2932



3.2509, 3.5412, 3.3296



9.9536, 14.6264, 2.2986



49.8211, 74.0658, 11.6703

Inverse Universe

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



4.8267, 2.9830, 14.5096



6.8201, 3.4470, 25.2136



7.6398, 4.4332, 14.6412



3.0242, 3.0642, 3.8669



3.9020, 1.6386, 17.0329



19.1100, 7.9512, 86.7537

Previews

White Background



This preview shows how the XYZ color 9.4748, 12.8134, 3.4127 looks on a white background.

Color Contrast Check

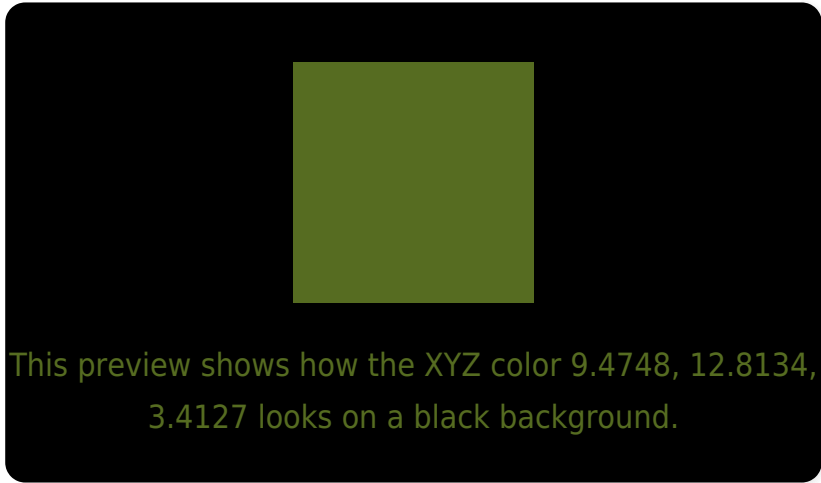
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

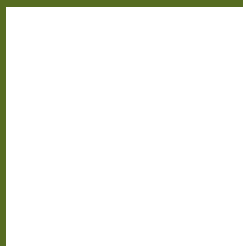
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.4748, 12.8134, 3.4127

Background



This preview shows how black text looks on a background with the XYZ color 9.4748, 12.8134, 3.4127.



This preview shows how white text looks on a background with the XYZ color 9.4748, 12.8134,

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

9.4748, 12.8134, 3.4127

Protanopia

11.4866, 12.6580, 3.1342

Deuteranopia

12.8995, 12.6843, 3.6022



Tritanopia

12.1333, 12.8444, 16.3077

Trichromacy



Original Color

9.4748, 12.8134, 3.4127

Protanomaly

10.7045, 12.6883, 3.2514

Deuteranomaly

11.4312, 12.6212, 3.5027

Tritanomaly

10.8492, 12.7700, 9.6776

Monochromacy



Original Color

9.4748, 12.8134, 3.4127

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.7215, 11.3640, 7.6423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4748, 12.8134, 3.4127 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(86, 108, 33)` looks like.

```
.text, #text, p{  
    color:rgb(86, 108, 33)  
}
```

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(86, 108, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 108, 33) }
```

Border

The CSS property to change the border of an element to XYZ 9.4748, 12.8134, 3.4127 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(86, 108, 33) }
```


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

```
.border{ border-color:rgb(86, 108, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 108, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 108, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 108, 33);  
box-shadow:4px 4px 4px 4px rgb(86, 108,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4748, 12.8134, 3.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 108, 33) }
```

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

```
.background{ background-color: rgb(86, 108,  
33) }
```

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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