

Converting Colors

XYZ(6.8849, 11.3079, 4.6262)

Have a look what the booklet for
XYZ(6.8849, 11.3079, 4.6262)
contains.

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Color

**XYZ(6.8734, 11.2867,
4.6126)**

Conversions

Conversions Part 1

Format	Color
Hex	2D6B30
RGB	45, 107, 48
RGB Percent	18%, 42%, 19%
CMY	0.8235, 0.5804, 0.8118
CMYK	0.58, 0.00, 0.55, 0.58
HSL	123°, 41%, 30%
HSV	123°, 58%, 42%
XYZ	6.8734, 11.2867, 4.6126
YIQ	81.7360, -18.0130, -31.4930

Conversions

Conversions Part 2

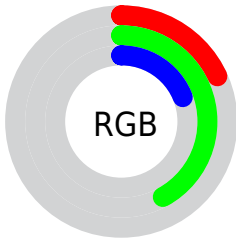
Format	Color
R_{YB}	45, 104, 107
Decimal	2976560
CIE _{Lab}	40.06, -33.32, 26.93
CIE _{LCh}	40, 42.846, 141.052
Yxy	11.2867, 0.3018, 0.4956
Android (android.graphics.Color)	4281166640 (0xFF2D6B30)
YUV	81.7360, -16.6318, -32.2175
Hunter-Lab	33.5957, -22.2728, 15.3766




Details

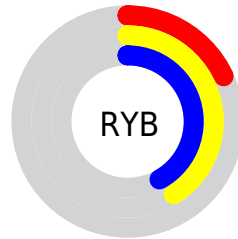
The XYZ color **6.8734, 11.2867, 4.6126** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.5008, 6.0023, 13.7548**, and the grayscale version is **8.0023, 8.4190, 9.1683**.




A 20% lighter version of the original color is **19.4392, 28.1822, 15.4815**, and **1.5694, 3.1301, 0.5502** is the 20% darker color. If you saturate the color by 10%, you get **6.2745, 10.9998, 3.6110**, and if you desaturate by 10%, it is **7.6406, 11.6554, 5.8746**.

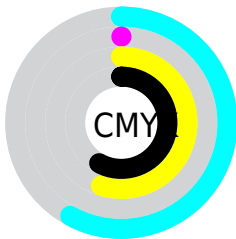
Distribution







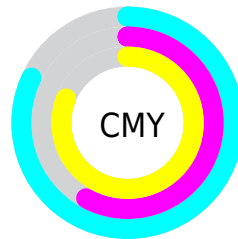
-  Red (18%)
-  Green (42%)
-  Blue (19%)






-  Red (18%)
-  Yellow (41%)
-  Blue (42%)



-  Cyan (58%)
-  Magenta (0%)
-  Yellow (55%)
-  Black (58%)





-  Cyan (82%)
-  Magenta (58%)
-  Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.8734, 11.2867, 4.6126 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 6.8734, 11.2867, 4.6126 by changing the saturation by 10% instead.


 6.8734, 11.2867,
4.6126


 6.8734, 11.2867,
4.6126


161.1753,
199.6241, 154.8088


 3.4287, 6.2600,
1.9671


 19.4253, 28.1891,
15.3996


 1.3843, 3.0038,
0.5349

 29.2632, 40.8336,
24.3782


 0.2450, 1.1337,
0.0000

 41.9629, 56.7862,
36.3049

 0.0000, 0.0066,
0.0000

 57.8897, 76.4313,
51.5982

 0.0000, 0.0000,
0.0000

 77.4090, 100.1532,
70.6767

 100.8861,

128.3364, 93.9590

128.6864,
161.3652, 121.8635

■ 6.8734, 11.2867,
4.6126

■ 6.8734, 11.2867,
4.6126

■ 6.2745, 10.9998,
3.6110

■ 7.6406, 11.6554,
5.8746

■ 5.8305, 10.7873,
2.8508

■ 8.5864, 12.1099,
7.4125

■ 5.5272, 10.6426,
2.3121

■ 9.7216, 12.6558,
9.2417

■ 5.3253, 10.5460,
1.9637

■ 11.0555, 13.2976,
11.3761

■ 5.2863, 10.5272,
1.9021

■ 12.5972, 14.0397,
13.8286

■ 14.3549, 14.8861,
16.6117

■ 16.3366, 15.8405,
19.7368

■ 18.5496, 16.9067,
23.2152

■ 21.0012, 18.0881,
27.0573

Harmonies

Analogous

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



8.8055, 11.2867, 2.4767



6.8734, 11.2867, 4.6126



6.0202, 11.2867, 9.9186

Triad

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



6.8734, 11.2867, 4.6126



9.8644, 11.2867, 36.5355



16.9834, 11.2867, 7.3037

Complementary

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



6.8734, 11.2867, 4.6126



9.5008, 6.0023, 13.7548

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.



17.4099, 11.2867, 15.0105



6.8734, 11.2867, 4.6126



12.9110, 11.2867, 34.7221

Square

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



6.8734, 11.2867, 4.6126



7.5254, 11.2867, 29.8856



15.8060, 11.2867, 25.6917



14.7296, 11.2867, 3.4572

Rectangle

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



6.8734, 11.2867, 4.6126



6.0450, 11.2867, 15.6962



15.8060, 11.2867, 25.6917



17.3597, 11.2867, 9.4149

Sweetspot

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



6.8737, 11.2872, 4.6129



19.9154, 23.8679, 20.5606



11.5497, 13.7047, 4.5192



4.7319, 5.7345, 4.8353



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.



6.8737, 11.2872, 4.6129



10.8822, 19.5270, 5.8666



7.7177, 11.6248, 9.0576



3.0694, 3.4469, 3.3493



6.4274, 12.8050, 2.2959



32.6574, 65.2100, 11.2086

Inverse Universe

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



9.5008, 6.0023, 13.7548



16.0963, 9.0218, 23.9989



8.2359, 5.4963, 7.0938



3.2115, 3.1615, 3.8443



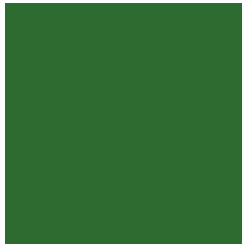
10.2801, 4.9642, 15.6355



52.2874, 25.2569, 79.1730

Previews

White Background



This preview shows how the XYZ color 6.8734, 11.2867, 4.6126 looks on a white background.

Color Contrast Check

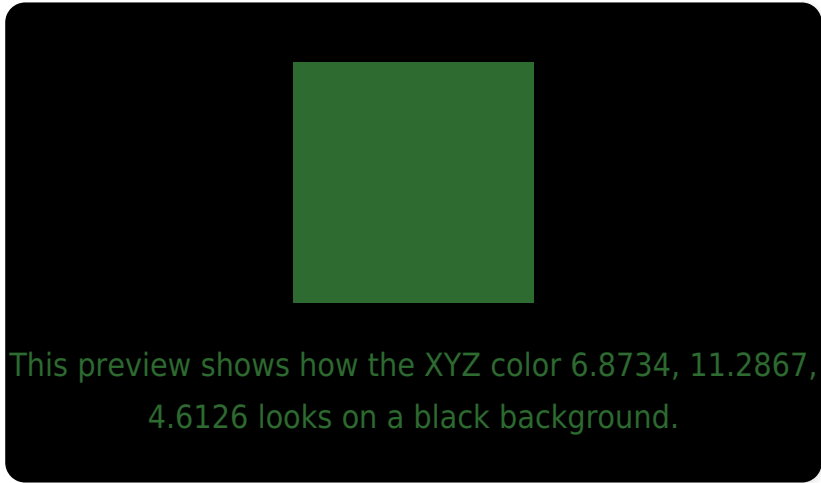
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.8734, 11.2867, 4.6126

Background



This preview shows how black text looks on a background with the XYZ color 6.8734, 11.2867, 4.6126.



This preview shows how white text looks on a background with the XYZ color 6.8734, 11.2867,

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

6.8734, 11.2867, 4.6126

Protanopia

10.1662, 11.1303, 3.9954

Deuteranopia

11.3690, 11.2142, 4.9335



Tritanopia

9.2775, 11.3721, 16.1741

Trichromacy



Original Color

6.8734, 11.2867, 4.6126

Protanomaly

8.5028, 10.9521, 4.1485

Deuteranomaly

8.9969, 10.7784, 4.7382

Tritanomaly

8.1461, 11.2008, 10.7495

Monochromacy



Original Color

6.8734, 11.2867, 4.6126

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

7.3008, 9.1896, 7.1833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8734, 11.2867, 4.6126 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(45, 107, 48)` looks like.

```
.text, #text, p{  
    color:rgb(45, 107, 48)  
}
```

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(45, 107, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 107, 48) }
```

Border

The CSS property to change the border of an element to XYZ 6.8734, 11.2867, 4.6126 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(45, 107, 48) }
```


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

```
.border{ border-color:rgb(45, 107, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 107, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 107, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 107, 48);  
box-shadow:4px 4px 4px 4px rgb(45, 107,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 6.8734, 11.2867, 4.6126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 107, 48) }
```

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

```
.background{ background-color: rgb(45, 107,  
48) }
```

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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