

Converting Colors

XYZ(6.4128, 11.7327, 2.4570)

Have a look what the booklet for
XYZ(6.4128, 11.7327, 2.4570)
contains.

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Color

**XYZ(6.4128, 11.7327,
2.4570)**

Conversions

Conversions Part 1

Format	Color
Hex	216F11
RGB	33, 111, 17
RGB Percent	13%, 44%, 7%
CMY	0.8706, 0.5647, 0.9333
CMYK	0.70, 0.00, 0.85, 0.56
HSL	110°, 73%, 25%
HSV	110°, 85%, 44%
XYZ	6.4128, 11.7327, 2.4570
YIQ	76.9620, -16.3140, -45.7700

Conversions

Conversions Part 2

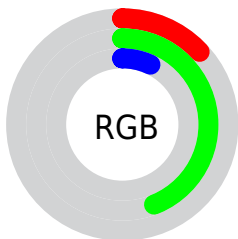
Format	Color
RYB	17, 111, 95
Decimal	2191121
CIELab	40.79, -41.23, 41.39
CIELCh	41, 58.421, 134.883
Yxy	11.7327, 0.3113, 0.5695
Android (android.graphics.Color)	4280381201 (0xFF216F11)
YUV	76.9620, -29.5613, -38.5547
Hunter-Lab	34.2530, -26.5243, 19.7242

Details

The XYZ color **6.4128, 11.7327, 2.4570** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7.7902, 3.9822, 15.3977**, and the grayscale version is **7.1028, 7.4726, 8.1377**.

A 20% lighter version of the original color is **18.5661, 29.1542, 10.2790**, and **1.7226, 3.4452, 0.5742** is the 20% darker color. If you saturate the color by 10%, you get **6.0887, 11.5739, 2.0827**, and if you desaturate by 10%, it is **6.8590, 11.9504, 3.0504**.

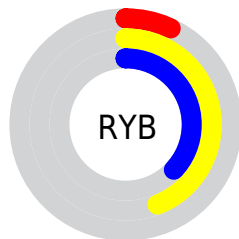
Distribution



Red (13%)

Green (44%)

Blue (7%)



Red (7%)

Yellow (44%)

Blue (37%)

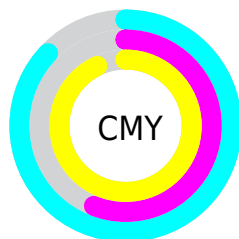


Cyan (70%)

Magenta (0%)

Yellow (85%)

Black (56%)



Cyan (87%)

Magenta (56%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.4128, 11.7327, 2.4570 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 6.4128, 11.7327, 2.4570 by changing the saturation by 10% instead.

■ 6.4128, 11.7327,
2.4570

■ 6.4128, 11.7327,
2.4570

157.3450,
202.6276, 129.1121

■ 3.1407, 6.5619,
0.8172

■ 18.4984, 29.0073,
10.2563

■ 1.2286, 3.1897,
0.0000

■ 28.0426, 41.8800,
17.2602

■ 0.1288, 1.2315,
0.0000

■ 40.4082, 58.0887,
26.8917

■ 0.0000, 0.0872,
0.0000


■ 55.9606, 78.0180,
39.5694


■ 0.0000, 0.0000,
0.0000


■ 75.0651, 102.0521,
55.7117


■ 98.0871, 130.5754,


75.7372


 125.3920,
163.9725, 100.0645


 6.4128, 11.7327,
2.4570


 6.4128, 11.7327,
2.4570


 6.0887, 11.5739,
2.0827


 6.8590, 11.9504,
3.0504

 5.9511, 11.5067,
1.9074

 7.4409, 12.2321,
3.9062

 8.1690, 12.5828,
5.0505

 9.0526, 13.0070,
6.5060

 10.1001, 13.5086,
8.2930

■ 11.3195, 14.0912,
10.4302

■ 12.7180, 14.7581,
12.9351

■ 14.3025, 15.5127,
15.8236

■ 16.0797, 16.3579,
19.1110

Harmonies

Analogous

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



9.2239, 11.7327, 0.9693



6.4128, 11.7327, 2.4570



5.0829, 11.7327, 7.6912

Triad

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



6.4128, 11.7327, 2.4570



9.1962, 11.7327, 50.0090



20.7851, 11.7327, 7.7556

Complementary

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



6.4128, 11.7327, 2.4570



7.7902, 3.9822, 15.3977

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.



20.7724, 11.7327, 19.7145



6.4128, 11.7327, 2.4570



13.3307, 11.7327, 50.0689

Square

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



6.4128, 11.7327, 2.4570



6.3969, 11.7327, 36.6596



17.7883, 11.7327, 36.7927



17.8197, 11.7327, 2.4790

Rectangle

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



6.4128, 11.7327, 2.4570



4.9379, 11.7327, 14.8221



17.7883, 11.7327, 36.7927



21.1490, 11.7327, 10.9255

Sweetspot

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



6.4131, 11.7332, 2.4573



20.0359, 25.1204, 18.2642



10.6393, 11.3846, 2.1672



4.6653, 5.9643, 4.1265



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



6.4131, 11.7332, 2.4573



10.5733, 20.5612, 3.4114



6.4244, 11.6920, 4.5834



3.3931, 3.7880, 3.6257



6.9950, 13.5498, 2.2467



34.3263, 67.2299, 11.1675

Inverse Universe

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



7.7902, 3.9822, 15.3977



12.9697, 6.0926, 27.4222



8.2505, 4.3784, 8.2414



3.4615, 3.4262, 4.2331



8.5768, 4.0309, 18.0476



42.0923, 19.7537, 89.8735

Previews

White Background



This preview shows how the XYZ color 6.4128, 11.7327, 2.4570 looks on a white background.

Color Contrast Check

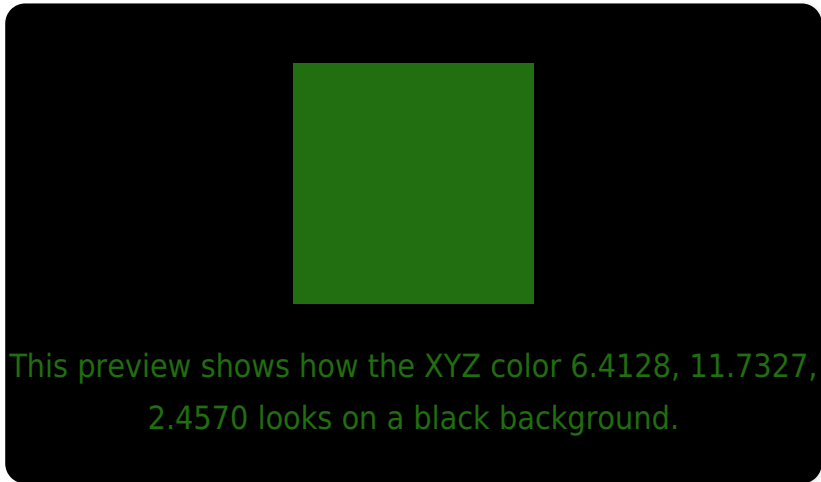
Large Text (above 18pt) WCAG AA ✓ Pass

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

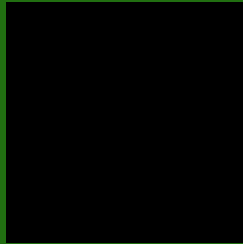
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.4128, 11.7327, 2.4570

Background



This preview shows how black text looks on a background with the XYZ color 6.4128, 11.7327, 2.4570.



This preview shows how white text looks on a background with the XYZ color 6.4128, 11.7327,

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

6.4128, 11.7327, 2.4570

Protanopia

10.4399, 11.5829, 2.0663

Deuteranopia

11.6964, 11.5591, 2.7133



Tritanopia

9.3504, 11.6826, 17.0914

Trichromacy



Original Color

6.4128, 11.7327, 2.4570

Protanomaly

8.1263, 11.0884, 2.1274

Deuteranomaly

8.5571, 10.8760, 2.5124

Tritanomaly

7.6659, 11.4482, 8.8269

Monochromacy



Original Color

6.4128, 11.7327, 2.4570

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

6.1864, 8.4127, 4.9122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.4128, 11.7327, 2.4570 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(33, 111, 17)` looks like.

```
.text, #text, p{  
    color:rgb(33, 111, 17)  
}
```

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(33, 111, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 111, 17) }
```

Border

The CSS property to change the border of an element to XYZ 6.4128, 11.7327, 2.4570 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(33, 111, 17) }
```


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

```
.border{ border-color:rgb(33, 111, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 111, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 111, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 111, 17);  
box-shadow:4px 4px 4px 4px rgb(33, 111,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 6.4128, 11.7327, 2.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 111, 17) }
```

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

```
.background{ background-color: rgb(33, 111,  
17) }
```

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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