

Converting Colors

XYZ(6.5166, 12.8407, 2.7657)

Have a look what the booklet for
XYZ(6.5166, 12.8407, 2.7657)
contains.

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Color

**XYZ(6.4788, 12.7696,
2.7394)**

Conversions

Conversions Part 1

Format	Color
Hex	007513
RGB	0, 117, 19
RGB Percent	0%, 46%, 7%
CMY	1.0000, 0.5412, 0.9255
CMYK	1.00, 0.00, 0.84, 0.54
HSL	130°, 100%, 23%
HSV	130°, 100%, 46%
XYZ	6.4788, 12.7696, 2.7394
YIQ	70.8450, -38.2740, -55.2820

Conversions

Conversions Part 2

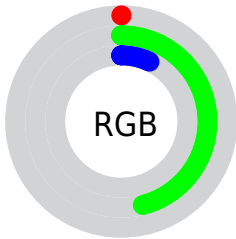
Format	Color
RYB	0, 101, 117
Decimal	29971
CIELab	42.41, -47.54, 42.11
CIELCh	42, 63.506, 138.465
Yxy	12.7696, 0.2947, 0.5808
Android (android.graphics.Color)	4278220051 (0xFF007513)
YUV	70.8450, -25.5596, -62.1311
Hunter-Lab	35.7346, -30.1729, 20.4691

Details

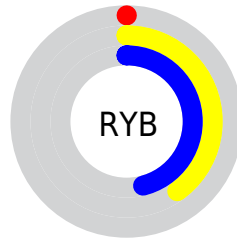
The XYZ color **6.4788, 12.7696, 2.7394** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **9.5409, 4.6639, 11.9521**, and the grayscale version is **6.0097, 6.3227, 6.8854**.

A 20% lighter version of the original color is **18.5726, 30.7822, 10.9239**, and **2.0072, 4.0143, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **6.4791, 12.7701, 2.7397**, and if you desaturate by 10%, it is **6.7284, 12.8869, 3.2825**.

Distribution



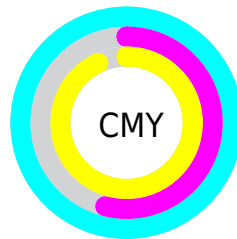
- Red (0%)
- Green (46%)
- Blue (7%)



- Red (0%)
- Yellow (40%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.4788, 12.7696, 2.7394 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 6.4788, 12.7696, 2.7394 by changing the saturation by 10% instead.

■ 6.4788, 12.7696,
2.7394

■ 6.4788, 12.7696,
2.7394

157.9010,
209.4357, 132.9690

■ 3.1818, 7.2701,
0.9632

■ 18.6320, 30.8892,
10.9783

■ 1.2506, 3.6316,
0.0000

■ 28.2189, 44.2781,
18.2781

■ 0.1458, 1.4697,
0.0000

■ 40.6330, 61.0656,
28.2561

■ 0.0000, 0.2672,
0.0000


■ 56.2399, 81.6361,
41.3309


■ 0.0000, 0.0000,
0.0000


■ 75.4047, 106.3740,
57.9211


■ 98.4930, 135.6636,


78.4451


 125.8700,
169.8894, 103.3216


 6.4788, 12.7696,
2.7394


 6.4788, 12.7696,
2.7394


 6.4791, 12.7701,
2.7397

 6.7284, 12.8869,
3.2825

 7.0838, 13.0539,
4.0315

 7.6000, 13.2990,
5.0066

 8.2936, 13.6303,
6.2240

 9.1793, 14.0551,
7.6985

■ 10.2700, 14.5799,
9.4437

■ 11.5777, 15.2106,
11.4722

■ 13.1134, 15.9524,
13.7959

■ 14.8873, 16.8105,
16.4260

Harmonies

Analogous

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



9.4545, 12.7696, 0.9012



6.4788, 12.7696, 2.7394



5.1793, 12.7696, 9.2797

Triad

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



6.4788, 12.7696, 2.7394



10.3917, 12.7696, 58.8753



23.0984, 12.7696, 7.1264

Complementary

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



6.4788, 12.7696, 2.7394



9.5409, 4.6639, 11.9521

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.



23.5424, 12.7696, 19.8545



6.4788, 12.7696, 2.7394



15.2844, 12.7696, 56.7478

Square

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



6.4788, 12.7696, 2.7394



7.0092, 12.7696, 44.3473



20.3913, 12.7696, 39.6524



19.3020, 12.7696, 2.0465

Rectangle

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



6.4788, 12.7696, 2.7394



5.1311, 12.7696, 18.1462



20.3913, 12.7696, 39.6524



23.6756, 12.7696, 10.3804

Sweetspot

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



6.4791, 12.7701, 2.7397



20.5357, 27.1421, 20.2424



11.5567, 15.4013, 2.3636



4.5363, 6.1511, 4.3688



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



6.4791, 12.7701, 2.7397



11.5651, 22.8520, 4.7127



7.6679, 13.2456, 8.9994



3.6627, 4.1070, 4.0575



7.1340, 14.0676, 2.9956



34.5477, 68.4663, 13.4550

Inverse Universe

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



9.5409, 4.6639, 11.9521



17.0429, 8.3347, 21.1839



7.7358, 3.9418, 2.4464



3.8023, 3.7482, 4.4858



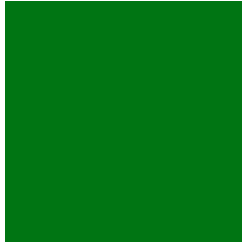
10.5069, 5.1365, 13.1434



50.9355, 24.9243, 62.6489

Previews

White Background



This preview shows how the XYZ color 6.4788, 12.7696, 2.7394 looks on a white background.

Color Contrast Check

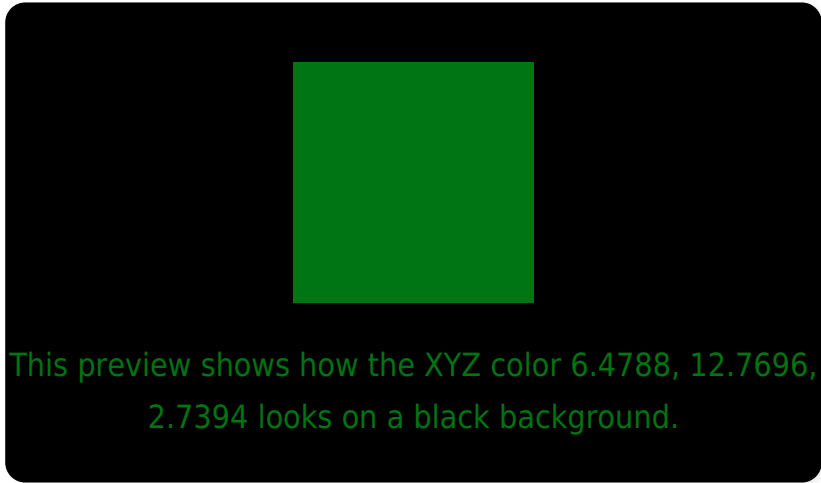
Large Text (above 18pt) WCAG AA ✓ Pass

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

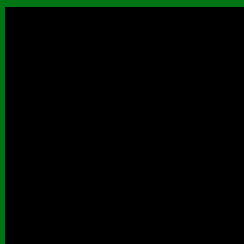
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.4788, 12.7696, 2.7394

Background



This preview shows how black text looks on a background with the XYZ color 6.4788, 12.7696, 2.7394.



This preview shows how white text looks on a background with the XYZ color 6.4788, 12.7696,

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

6.4788, 12.7696, 2.7394

Protanopia

11.4465, 12.6568, 2.2552

Deuteranopia

12.7970, 12.6433, 3.0623



Tritanopia

10.0053, 12.8983, 19.1018

Trichromacy



Original Color

6.4788, 12.7696, 2.7394



Protanomaly

7.9200, 11.7232, 2.3356



Deuteranomaly

8.3563, 11.4851, 2.8133



Tritanomaly

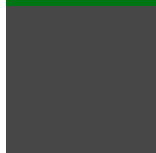
7.8822, 12.4888, 9.9778

Monochromacy



Original Color

6.4788, 12.7696, 2.7394



Achromatopsia

5.9891, 6.3010, 6.8618



Achromatomaly

5.1917, 7.7853, 4.4779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.4788, 12.7696, 2.7394 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(0, 117, 19)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 19)  
}
```

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(0, 117, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 19) }
```

Border

The CSS property to change the border of an element to XYZ 6.4788, 12.7696, 2.7394 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(0, 117, 19) }
```


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

```
.border{ border-color:rgb(0, 117, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 117, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 19);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 19)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.4788, 12.7696, 2.7394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 19) }
```

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

```
.background{ background-color: rgb(0, 117,  
19) }
```

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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