

Converting Colors

XYZ(7.6144, 12.0397, 9.3197)

Have a look what the booklet for
XYZ(7.6144, 12.0397, 9.3197)
contains.

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Color

**XYZ(7.6144, 12.0397,
9.3197)**

Conversions

Conversions Part 1

Format	Color
Hex	216E4F
RGB	33, 110, 79
RGB Percent	13%, 43%, 31%
CMY	0.8706, 0.5686, 0.6902
CMYK	0.70, 0.00, 0.28, 0.57
HSL	156°, 54%, 28%
HSV	156°, 70%, 43%
XYZ	7.6144, 12.0397, 9.3197
YIQ	83.4430, -35.9410, -25.9650

Conversions

Conversions Part 2

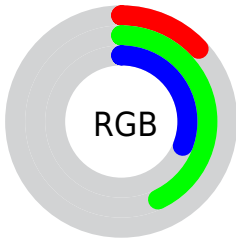
Format	Color
R_{YB}	33, 81, 110
Decimal	2190927
CIE _{Lab}	41.28, -31.35, 10.62
CIE _{LCh}	41, 33.098, 161.291
Yxy	12.0397, 0.2628, 0.4155
Android (android.graphics.Color)	4280381007 (0xFF216E4F)
YUV	83.4430, -2.1904, -44.2385
Hunter-Lab	34.6983, -21.5508, 8.3639

Details

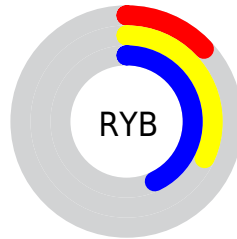
The XYZ color **7.6144, 12.0397, 9.3197** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.9001, 4.7731, 5.3558**, and the grayscale version is **8.3223, 8.7557, 9.5349**.

A 20% lighter version of the original color is **20.8411, 29.4739, 25.0127**, and **1.9575, 3.4530, 2.0767** is the 20% darker color. If you saturate the color by 10%, you get **7.1625, 11.8250, 8.4851**, and if you desaturate by 10%, it is **8.1929, 12.3190, 10.2169**.

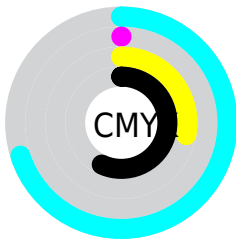
Distribution



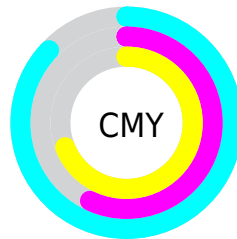
- Red (13%)
- Green (43%)
- Blue (31%)



- Red (13%)
- Yellow (32%)
- Blue (43%)



- Cyan (70%)
- Magenta (0%)
- Yellow (28%)
- Black (57%)





- Cyan (87%)
- Magenta (57%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.6144, 12.0397, 9.3197 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 7.6144, 12.0397, 9.3197 by changing the saturation by 10% instead.


 7.6144, 12.0397,
9.3197


 7.6144, 12.0397,
9.3197


167.1114,
204.6679, 196.0503


 3.8989, 6.7707,
4.8506


 20.8917, 29.5674,
25.0953


 1.6451, 3.3191,
2.1027

 31.1842, 42.5949,
37.2389


 0.4215, 1.3005,
0.6174

 44.3999, 58.9774,
52.7778

 0.0000, 0.1416,
0.0000

 60.9039, 79.0992,
72.1305

 0.0000, 0.0000,
0.0000

 81.0617, 103.3448,
95.7156

 105.2387,

132.0985, 123.9516

133.8001,
165.7447, 157.2569

■ 7.6144, 12.0397,
9.3197

■ 7.6144, 12.0397,
9.3197

■ 7.1625, 11.8250,
8.4851

■ 8.1929, 12.3190,
10.2169

■ 6.8242, 11.6675,
7.7105

■ 8.9074, 12.6668,
11.1773

■ 6.5511, 11.5423,
6.9929

■ 9.7674, 13.0884,
12.2027

■ 6.5511, 11.5423,
6.9928

■ 10.7814, 13.5880,
13.2945

■ 11.9570, 14.1696,
14.4540

■ 13.3015, 14.8369,
15.6825

■ 14.8216, 15.5933,
16.9812

■ 16.5237, 16.4422,
18.3514

■ 18.4138, 17.3867,
19.7942

Harmonies

Analogous

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



8.6672, 12.0397, 5.4904



7.6144, 12.0397, 9.3197



7.4976, 12.0397, 15.8629

Triad

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



7.6144, 12.0397, 9.3197



12.3683, 12.0397, 30.7478



15.2613, 12.0397, 6.1933

Complementary

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



7.6144, 12.0397, 9.3197



7.9001, 4.7731, 5.3558

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.



16.5758, 12.0397, 10.6941



7.6144, 12.0397, 9.3197



14.7569, 12.0397, 25.7155

Square

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



7.6144, 12.0397, 9.3197



10.0298, 12.0397, 29.9753



16.3793, 12.0397, 17.8076



12.9839, 12.0397, 4.1688

Rectangle

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



7.6144, 12.0397, 9.3197



7.9439, 12.0397, 21.2157



16.3793, 12.0397, 17.8076



15.8439, 12.0397, 7.3859

Sweetspot

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



7.6147, 12.0402, 9.3200



20.6566, 24.7145, 25.0573



8.0363, 12.3888, 3.4067



4.7075, 5.7020, 5.7349



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.



7.6147, 12.0402, 9.3200



12.1855, 20.5826, 14.0397



8.3505, 11.2665, 16.4870



3.4208, 3.7935, 4.0225



7.8550, 13.8595, 8.3234



38.6946, 68.8665, 39.1725

Inverse Universe

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



7.9001, 4.7731, 5.3558



12.7384, 6.8853, 6.6427



7.4445, 4.9036, 1.9931



3.4350, 3.4217, 3.8173



8.2637, 4.1978, 3.1985



40.7616, 20.7499, 13.8084

Previews

White Background



This preview shows how the XYZ color 7.6144, 12.0397, 9.3197 looks on a white background.

Color Contrast Check

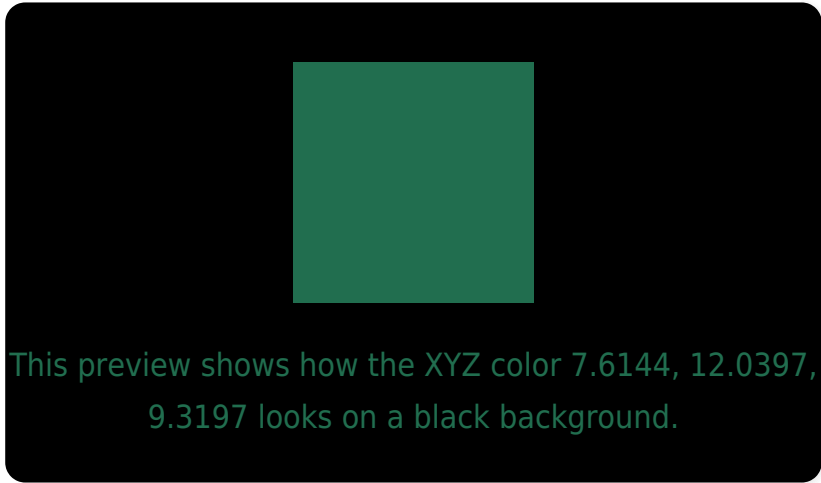
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.6144, 12.0397, 9.3197

Background



This preview shows how black text looks on a background with the XYZ color 7.6144, 12.0397, 9.3197.



This preview shows how white text looks on a background with the XYZ color 7.6144, 12.0397,

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

7.6144, 12.0397, 9.3197

Protanopia

11.1862, 11.9735, 8.0249

Deuteranopia

12.0312, 11.8327, 9.8334



Tritanopia

9.3078, 11.9464, 17.7349

Trichromacy



Original Color

7.6144, 12.0397, 9.3197

Protanomaly

9.1633, 11.6304, 8.4186

Deuteranomaly

9.5521, 11.3719, 9.6742

Tritanomaly

8.6029, 11.9686, 14.1687

Monochromacy



Original Color

7.6144, 12.0397, 9.3197

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.6173, 9.5617, 9.4268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.6144, 12.0397, 9.3197 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, 110, 79)` looks like.

```
.text, #text, p{  
    color:rgb(33, 110, 79)  
}
```

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, 110, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 110, 79) }
```

Border

The CSS property to change the border of an element to XYZ 7.6144, 12.0397, 9.3197 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, 110, 79) }
```


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

```
.border{ border-color:rgb(33, 110, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 110, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 110, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 110, 79);  
box-shadow:4px 4px 4px 4px rgb(33, 110,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 7.6144, 12.0397, 9.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 110, 79) }
```

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

```
.background{ background-color: rgb(33, 110,  
79) }
```

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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