

Converting Colors

XYZ(8.4331, 12.1147, 6.4732)

Have a look what the booklet for
XYZ(8.4331, 12.1147, 6.4732)
contains.

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Color

**XYZ(8.3740, 12.0214,
6.4364)**

Conversions

Conversions Part 1

Format	Color
Hex	426B3E
RGB	66, 107, 62
RGB Percent	26%, 42%, 24%
CMY	0.7412, 0.5804, 0.7569
CMYK	0.38, 0.00, 0.42, 0.58
HSL	115°, 27%, 33%
HSV	115°, 42%, 42%
XYZ	8.3740, 12.0214, 6.4364
YIQ	89.6110, -9.9910, -22.6870

Conversions

Conversions Part 2

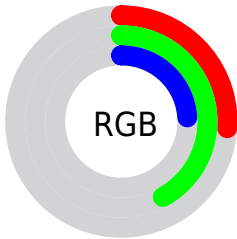
Format	Color
RYB	62, 107, 103
Decimal	4352830
CIELab	41.25, -24.28, 20.80
CIElCh	41, 31.971, 139.420
Yxy	12.0214, 0.3121, 0.4480
Android (android.graphics.Color)	4282542910 (0xFF426B3E)
YUV	89.6110, -13.6122, -20.7068
Hunter-Lab	34.6719, -17.5643, 13.2639

Details

The XYZ color **8.3740, 12.0214, 6.4364** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.9703, 7.3906, 14.8115**, and the grayscale version is **9.6625, 10.1657, 11.0705**.

A 20% lighter version of the original color is **22.4151, 29.6351, 19.2906**, and **1.9226, 3.3002, 1.1079** is the 20% darker color. If you saturate the color by 10%, you get **7.5071, 11.6055, 5.0113**, and if you desaturate by 10%, it is **9.4113, 12.5192, 8.1719**.

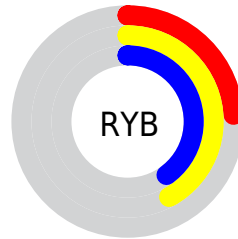
Distribution



Red (26%)

Green (42%)

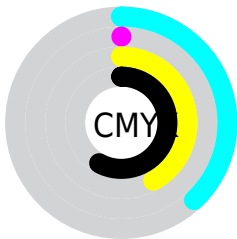
Blue (24%)



Red (24%)

Yellow (42%)

Blue (40%)

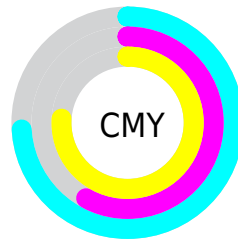


Cyan (38%)

Magenta (0%)

Yellow (42%)

Black (58%)



Cyan (74%)

Magenta (58%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.3740, 12.0214, 6.4364 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 8.3740, 12.0214, 6.4364 by changing the saturation by 10% instead.

8.3740, 12.0214,
6.4364

8.3740, 12.0214,
6.4364

172.9446,
204.5469, 172.3441

4.3890, 6.7583,
3.0392

22.3669, 29.5341,
19.3233

1.9245, 3.3114,
1.1147

33.1055, 42.5524,
29.6500

0.5910, 1.2964,
0.0000

46.8260, 58.9246,
43.1236

0.0000, 0.1384,
0.0000

63.8938, 79.0350,
60.1626

0.0000, 0.0000,
0.0000

84.6742, 103.2680,
81.1857

109.5325,

132.0081, 106.6112

138.8342,
165.6396, 136.8579

■ 8.3740, 12.0214,
6.4364

■ 8.3740, 12.0214,
6.4364

■ 7.5071, 11.6055,
5.0113

■ 9.4113, 12.5192,
8.1719

■ 6.8007, 11.2657,
3.8775

■ 10.6266, 13.1013,
10.2338

■ 6.2452, 10.9978,
3.0153


■ 12.0280, 13.7720,
12.6379


■ 5.8293, 10.7966,
2.4018


■ 13.6229, 14.5347,
15.3987


■ 5.5403, 10.6560,
2.0089


■ 15.4183, 15.3928,
18.5300

 5.3770, 10.5772,
1.7582

 17.4208, 16.3495,
22.0447

 19.6367, 17.4076,
25.9552

 22.0722, 18.5700,
30.2734

 24.7329, 19.8396,
35.0104

Harmonies

Analogous

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



10.0120, 12.0214, 4.3851



8.3740, 12.0214, 6.4364



7.5928, 12.0214, 10.8902

Triad

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



8.3740, 12.0214, 6.4364



10.6298, 12.0214, 29.9952



16.1470, 12.0214, 9.2994

Complementary

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



8.3740, 12.0214, 6.4364



9.9703, 7.3906, 14.8115

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.



16.3711, 12.0214, 15.5661



8.3740, 12.0214, 6.4364



12.9671, 12.0214, 29.1218

Square

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



8.3740, 12.0214, 6.4364



8.7737, 12.0214, 25.3206



15.1418, 12.0214, 23.2286



14.5652, 12.0214, 5.6108

Rectangle

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



8.3740, 12.0214, 6.4364



7.5809, 12.0214, 15.2834



15.1418, 12.0214, 23.2286



16.3910, 12.0214, 11.1159

Sweetspot

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



8.3743, 12.0219, 6.4367



21.1886, 24.4931, 22.0289



11.7340, 13.0754, 6.4629



5.0177, 5.8753, 5.1412



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.



8.3743, 12.0219, 6.4367



13.5332, 20.8243, 9.1213



8.6926, 12.1192, 9.4708



3.0867, 3.4565, 3.3219



6.5269, 12.8599, 2.1382



32.9176, 65.3518, 10.8792

Inverse Universe

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



9.9703, 7.3906, 14.8115



16.7841, 11.3664, 26.2170



9.5896, 7.2926, 10.3537



3.1924, 3.1509, 3.8748



9.2766, 4.4093, 17.2844



46.8937, 22.2742, 88.0540

Previews

White Background



This preview shows how the XYZ color 8.3740, 12.0214, 6.4364 looks on a white background.

Color Contrast Check

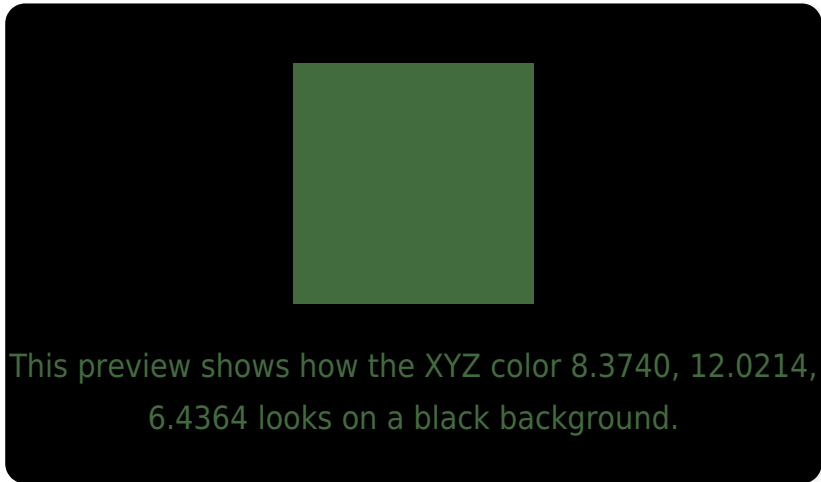
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.3740, 12.0214, 6.4364

Background



This preview shows how black text looks on a background with the XYZ color 8.3740, 12.0214, 6.4364.



This preview shows how white text looks on a background with the XYZ color 8.3740, 12.0214,

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

8.3740, 12.0214, 6.4364

Protanopia

10.9823, 11.9190, 5.7248

Deuteranopia

12.0709, 11.9234, 6.6663



Tritanopia

10.3698, 11.9290, 16.5078

Trichromacy



Original Color

8.3740, 12.0214, 6.4364

Protanomaly

9.7575, 11.8473, 5.9102

Deuteranomaly

10.3301, 11.7022, 6.5648

Tritanomaly

9.4985, 11.8685, 12.1462

Monochromacy



Original Color

8.3740, 12.0214, 6.4364

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.0242, 10.6943, 9.1780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.3740, 12.0214, 6.4364 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(66, 107, 62)` looks like.

```
.text, #text, p{  
    color:rgb(66, 107, 62)  
}
```

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(66, 107, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 107, 62) }
```

Border

The CSS property to change the border of an element to XYZ 8.3740, 12.0214, 6.4364 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(66, 107, 62) }
```


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

```
.border{ border-color:rgb(66, 107, 62) }
```

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

Here you see how a box with a 4 pixel rgb(66, 107, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 107, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 107, 62);  
box-shadow:4px 4px 4px 4px rgb(66, 107,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 8.3740, 12.0214, 6.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 107, 62) }
```

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

```
.background{ background-color: rgb(66, 107,  
62) }
```

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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