

Converting Colors

XYZ(12.6806, 15.3834, 6.3058)

Have a look what the booklet for
XYZ(12.6806, 15.3834, 6.3058)
contains.

XYZ(12.7249, 15.4043, 6.3056)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.7249, 15.4043,
6.3056)**

Conversions

Conversions Part 1

Format	Color
Hex	6A723A
RGB	106, 114, 58
RGB Percent	42%, 45%, 23%
CMY	0.5843, 0.5529, 0.7725
CMYK	0.07, 0.00, 0.49, 0.55
HSL	69°, 33%, 34%
HSV	69°, 49%, 45%
XYZ	12.7249, 15.4043, 6.3056
YIQ	105.2240, 13.2080, -19.1120

Conversions

Conversions Part 2

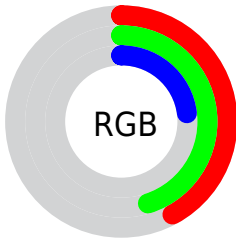
Format	Color
RYB	58, 114, 66
Decimal	6976058
CIELab	46.18, -12.25, 29.83
CIELCh	46, 32.249, 112.316
Yxy	15.4043, 0.3695, 0.4473
Android (android.graphics.Color)	4285166138 (0xFF6A723A)
YUV	105.2240, -23.2814, 0.6806
Hunter-Lab	39.2483, -10.8121, 17.9483

Details

The XYZ color **12.7249, 15.4043, 6.3056** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.7976, 5.3996, 16.6045**, and the grayscale version is **13.5470, 14.2525, 15.5210**.

A 20% lighter version of the original color is **30.3906, 35.6031, 19.1802**, and **3.7019, 4.7928, 1.0778** is the 20% darker color. If you saturate the color by 10%, you get **12.2748, 15.2026, 4.9348**, and if you desaturate by 10%, it is **13.2437, 15.6349, 8.0156**.

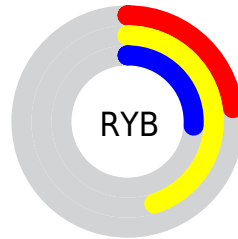
Distribution



Red (42%)

Green (45%)

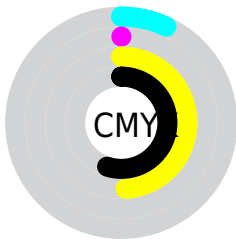
Blue (23%)



Red (23%)

Yellow (45%)

Blue (26%)

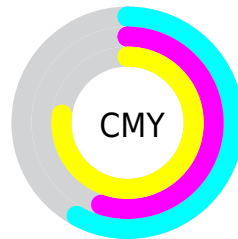


Cyan (7%)

Magenta (0%)

Yellow (49%)

Black (55%)



Cyan (58%)

Magenta (55%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7249, 15.4043, 6.3056 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 12.7249, 15.4043, 6.3056 by changing the saturation by 10% instead.

■ 12.7249, 15.4043,
6.3056

■ 12.7249, 15.4043,
6.3056

202.8204,
225.8005, 171.1681

■ 7.3151, 9.1036,
2.9600

■ 30.4142, 35.5609,
19.0505

■ 3.7080, 4.8088,
1.0742

■ 43.4244, 50.1856,
29.2869

■ 1.5383, 2.1355,
0.0000

■ 59.6987, 68.3538,
42.6572

■ 0.3517, 0.6845,
0.0000

■ 79.6026, 90.4498,
59.5801

■ 0.0000, 0.0000,
0.0000

■ 103.5014,
116.8581, 80.4741

■ 131.7603,

147.9631, 105.7578

164.7449,
184.1490, 135.8496

■ 12.7249, 15.4043,
6.3056

■ 12.7249, 15.4043,
6.3056

■ 12.2748, 15.2026,
4.9348

■ 13.2437, 15.6349,
8.0156

■ 11.8879, 15.0262,
3.8796

■ 13.8340, 15.8941,
10.0844

■ 11.5599, 14.8736,
3.1149

■ 14.4997, 16.1838,
12.5312

■ 11.2850, 14.7428,
2.6117

■ 15.2442, 16.5055,
15.3735

■ 11.0444, 14.6261,
2.2697

■ 16.0708, 16.8604,
18.6279

■ 11.0236, 14.6160,
2.2402

■ 16.9822, 17.2497,
22.3098

■ 17.9815, 17.6746,
26.4340

■ 19.0711, 18.1361,
31.0146

■ 20.2538, 18.6352,
36.0649

Harmonies

Analogous

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



15.3594, 15.4043, 5.8001



12.7249, 15.4043, 6.3056



10.8445, 15.4043, 9.1172

Triad

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



12.7249, 15.4043, 6.3056



11.6424, 15.4043, 31.8284



20.5281, 15.4043, 18.8791

Complementary

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



12.7249, 15.4043, 6.3056



6.7976, 5.3996, 16.6045

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.



19.2346, 15.4043, 27.8309



12.7249, 15.4043, 6.3056



13.9459, 15.4043, 36.6879

Square

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



12.7249, 15.4043, 6.3056



10.2762, 15.4043, 23.2011



16.7411, 15.4043, 35.0324



20.0948, 15.4043, 11.6570

Rectangle

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



12.7249, 15.4043, 6.3056



10.1613, 15.4043, 12.5822



16.7411, 15.4043, 35.0324



20.2757, 15.4043, 21.8034

Sweetspot

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



12.7253, 15.4050, 6.3059



25.9512, 28.6427, 23.8032



9.6209, 7.7177, 4.9857



5.9541, 6.6035, 5.3249



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.



12.7253, 15.4050, 6.3059



21.4678, 26.6681, 8.3801



9.9673, 13.9832, 6.1769



3.5973, 3.8933, 3.6352



12.2602, 16.2641, 2.4931



60.5198, 80.7331, 12.3933

Inverse Universe

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



6.7976, 5.3996, 16.6045



9.7429, 6.8548, 28.7851



9.1124, 6.5929, 16.7128



3.2579, 3.3212, 4.2236



3.6145, 1.4728, 17.8154



17.5476, 7.1005, 88.7248

Previews

White Background



This preview shows how the XYZ color 12.7249, 15.4043, 6.3056 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



This preview shows how the XYZ color 12.7249, 15.4043, 6.3056 looks on a 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 12.7249, 15.4043, 6.3056

Background



This preview shows how black text looks on a background with the XYZ color 12.7249, 15.4043, 6.3056.



This preview shows how white text looks on a background with the XYZ color 12.7249, 15.4043,

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

12.7249, 15.4043, 6.3056

Protanopia

14.0676, 15.2877, 5.9508

Deuteranopia

15.5974, 15.2952, 6.4052



Tritanopia

15.3250, 15.4968, 18.7065

Trichromacy



Original Color

12.7249, 15.4043, 6.3056

Protanomaly

13.6254, 15.3773, 6.1209

Deuteranomaly

14.4642, 15.3260, 6.3335

Tritanomaly

14.0719, 15.2931, 13.0367

Monochromacy



Original Color

12.7249, 15.4043, 6.3056

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.9497, 14.4330, 11.3358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7249, 15.4043, 6.3056 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(106, 114, 58)` looks like.

```
.text, #text, p{  
    color:rgb(106, 114, 58)  
}
```

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(106, 114, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 114, 58) }
```

Border

The CSS property to change the border of an element to XYZ 12.7249, 15.4043, 6.3056 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(106, 114, 58) }
```


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

```
.border{ border-color:rgb(106, 114, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 114, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 114, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 114, 58);  
box-shadow:4px 4px 4px 4px rgb(106, 114,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7249, 15.4043, 6.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 114, 58) }
```

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

```
.background{ background-color: rgb(106,  
114, 58) }
```

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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