

Converting Colors

XYZ(15.7623, 20.9703, 5.3977)

Have a look what the booklet for
XYZ(15.7623, 20.9703, 5.3977)
contains.

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Color

**XYZ(15.7640, 20.9399,
5.4014)**

Conversions

Conversions Part 1

Format	Color
Hex	70872A
RGB	112, 135, 42
RGB Percent	44%, 53%, 16%
CMY	0.5608, 0.4706, 0.8353
CMYK	0.17, 0.00, 0.69, 0.47
HSL	75°, 53%, 35%
HSV	75°, 69%, 53%
XYZ	15.7640, 20.9399, 5.4014
YIQ	117.5210, 16.1450, -33.7990

Conversions

Conversions Part 2

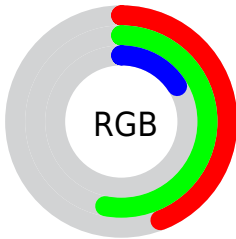
Format	Color
R_{YB}	42, 135, 65
Decimal	7374634
CIE _{Lab}	52.88, -22.20, 45.28
CIE _{LCh}	53, 50.427, 116.118
Yxy	20.9399, 0.3744, 0.4973
Android (android.graphics.Color)	4285564714 (0xFF70872A)
YUV	117.5210, -37.2319, -4.8419
Hunter-Lab	45.7601, -18.5884, 25.0337

Details

The XYZ color **15.7640, 20.9399, 5.4014** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.3819, 4.5295, 23.4082**, and the grayscale version is **17.1797, 18.0744, 19.6830**.

A 20% lighter version of the original color is **35.6849, 44.8637, 17.1347**, and **5.1730, 7.4891, 1.1729** is the 20% darker color. If you saturate the color by 10%, you get **15.1451, 20.6449, 4.3170**, and if you desaturate by 10%, it is **16.4811, 21.2775, 6.9163**.

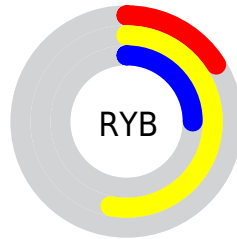
Distribution



Red (44%)

Green (53%)

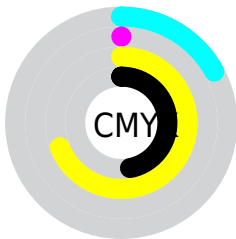
Blue (16%)



Red (16%)

Yellow (53%)

Blue (25%)

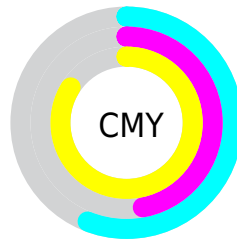


Cyan (17%)

Magenta (0%)

Yellow (69%)

Black (47%)



Cyan (56%)

Magenta (47%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7640, 20.9399, 5.4014 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 15.7640, 20.9399, 5.4014 by changing the saturation by 10% instead.

■ 15.7640, 20.9399,
5.4014

■ 15.7640, 20.9399,
5.4014

221.2429,
256.9589, 162.7192

■ 9.4471, 13.0801,
2.4218

■ 35.7488, 44.9875,
17.1309

■ 5.0934, 7.4837,
0.7983

■ 50.1474, 61.9440,
26.7179

■ 2.3375, 3.7664,
0.0000

■ 67.9705, 82.7016,
39.3444

■ 0.8137, 1.5438,
0.0000

■ 89.5837, 107.6447,
55.4290

■ 0.0000, 0.3192,
0.0000

■ 115.3521,
137.1575, 75.3903

■ 0.0000, 0.0000,
0.0000

■ 145.6413,

171.6246, 99.6467

180.8164,
211.4302, 128.6168

■ 15.7640, 20.9399,
5.4014

■ 15.7640, 20.9399,
5.4014

■ 15.1451, 20.6449,
4.3170

■ 16.4811, 21.2775,
6.9163

■ 14.6142, 20.3862,
3.6167

■ 17.3024, 21.6579,
8.8992

■ 14.1501, 20.1559,
3.1878

■ 18.2352, 22.0847,
11.3852

■ 14.0999, 20.1310,
3.1425

■ 19.2856, 22.5604,
14.4054

■ 20.4592, 23.0873,
17.9887

■ 21.7612, 23.6675,
22.1618

■ 23.1965, 24.3029,
26.9495

■ 24.7697, 24.9955,
32.3756

■ 26.4853, 25.7470,
38.4621

Harmonies

Analogous

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



20.5972, 20.9399, 4.3658



15.7640, 20.9399, 5.4014



12.6153, 20.9399, 10.1395

Triad

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



15.7640, 20.9399, 5.4014



14.7679, 20.9399, 56.4080



31.8314, 20.9399, 24.8231

Complementary

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



15.7640, 20.9399, 5.4014



7.3819, 4.5295, 23.4082

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.



29.5643, 20.9399, 43.1252



15.7640, 20.9399, 5.4014



19.2241, 20.9399, 65.7835

Square

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



15.7640, 20.9399, 5.4014



12.1155, 20.9399, 38.1238



24.7090, 20.9399, 60.0814



30.4670, 20.9399, 12.2557

Rectangle

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



15.7640, 20.9399, 5.4014



11.5921, 20.9399, 16.5179



24.7090, 20.9399, 60.0814



31.4596, 20.9399, 30.5016

Sweetspot

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



15.7645, 20.9408, 5.4018



36.0721, 41.0900, 30.4563



12.2269, 8.9517, 3.2742



8.2366, 9.4634, 6.6929



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.7645, 20.9408, 5.4018



26.5349, 36.6848, 6.9047



11.3837, 18.6824, 5.1968



4.9302, 5.3666, 5.0054



13.0136, 18.5687, 2.8982



0.0517, 0.0677, 0.0104

Inverse Universe

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



7.3819, 4.5295, 23.4082



10.5426, 5.2161, 41.4995



11.6572, 6.7335, 23.6083



4.5345, 4.5961, 5.8489



4.6335, 1.9228, 21.2636



0.0219, 0.0097, 0.0739

Previews

White Background



This preview shows how the XYZ color 15.7640, 20.9399, 5.4014 looks on a white 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

Black Background



This preview shows how the XYZ color 15.7640, 20.9399, 5.4014 looks on a black 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

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

XYZ 15.7640, 20.9399, 5.4014

Background



This preview shows how black text looks on a background with the XYZ color 15.7640, 20.9399, 5.4014.



This preview shows how white text looks on a background with the XYZ color 15.7640, 20.9399,

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

15.7640, 20.9399, 5.4014

Protanopia

18.8284, 20.7376, 5.0179

Deuteranopia

21.1342, 20.8063, 5.5914



Tritanopia

19.9308, 20.8369, 26.2640

Trichromacy



Original Color

15.7640, 20.9399, 5.4014

Protanomaly

17.4564, 20.6064, 5.1552

Deuteranomaly

18.7918, 20.5194, 5.4528

Tritanomaly

17.7197, 20.5114, 15.5955

Monochromacy



Original Color

15.7640, 20.9399, 5.4014

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.2556, 18.8665, 12.4577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7640, 20.9399, 5.4014 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(112, 135, 42)` looks like.

```
.text, #text, p{  
    color:rgb(112, 135, 42)  
}
```

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(112, 135, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 135, 42) }
```

Border

The CSS property to change the border of an element to XYZ 15.7640, 20.9399, 5.4014 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(112, 135, 42) }
```


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

```
.border{ border-color:rgb(112, 135, 42) }
```

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

Here you see how a box with a 4 pixel rgb(112, 135, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 135, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 135, 42);  
box-shadow:4px 4px 4px 4px rgb(112, 135,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7640, 20.9399, 5.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 135, 42) }
```

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

```
.background{ background-color: rgb(112,  
135, 42) }
```

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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