

Converting Colors

XYZ(15.6814, 20.8579, 3.7444)

Have a look what the booklet for
XYZ(15.6814, 20.8579, 3.7444)
contains.

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Color

**XYZ(15.7046, 20.9458,
3.7455)**

Conversions

Conversions Part 1

Format	Color
Hex	728711
RGB	114, 135, 17
RGB Percent	45%, 53%, 7%
CMY	0.5529, 0.4706, 0.9333
CMYK	0.16, 0.00, 0.87, 0.47
HSL	71°, 78%, 30%
HSV	71°, 87%, 53%
XYZ	15.7046, 20.9458, 3.7455
YIQ	115.2690, 25.3620, -41.1500

Conversions

Conversions Part 2

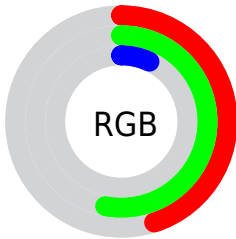
Format	Color
R_{YB}	17, 135, 38
Decimal	7505681
CIE Lab	52.89, -22.57, 53.73
CIE LCh	53, 58.280, 112.787
Yxy	20.9458, 0.3888, 0.5185
Android (android.graphics.Color)	4285695761 (0xFF728711)
YUV	115.2690, -48.4466, -1.1129
Hunter-Lab	45.7666, -18.8400, 27.1844

Details

The XYZ color **15.7046, 20.9458, 3.7455** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.3736, 2.5627, 23.1343**, and the grayscale version is **16.5154, 17.3754, 18.9219**.

A 20% lighter version of the original color is **35.6154, 44.9095, 13.4479**, and **5.2351, 7.5211, 1.1758** is the 20% darker color. If you saturate the color by 10%, you get **15.3146, 20.7549, 3.2996**, and if you desaturate by 10%, it is **16.1614, 21.1659, 4.4961**.

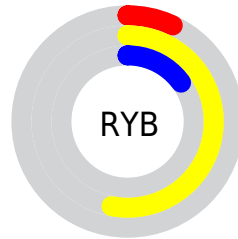
Distribution



Red (45%)

Green (53%)

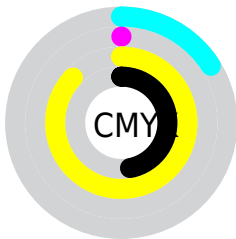
Blue (7%)



Red (7%)

Yellow (53%)

Blue (15%)

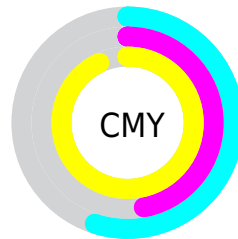


Cyan (16%)

Magenta (0%)

Yellow (87%)

Black (47%)



Cyan (55%)

Magenta (47%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7046, 20.9458, 3.7455 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 15.7046, 20.9458, 3.7455 by changing the saturation by 10% instead.

■ 15.7046, 20.9458,
3.7455

■ 15.7046, 20.9458,
3.7455

■ 220.8971,
256.9903, 145.3532

■ 9.4049, 13.0844,
1.4868

■ 35.6462, 44.9973,
13.4184

■ 5.0654, 7.4867,
0.2081

■ 50.0188, 61.9562,
21.6697

■ 2.3208, 3.7683,
0.0000

■ 67.8131, 82.7164,
32.7556

■ 0.8053, 1.5448,
0.0000

■ 89.3944, 107.6622,
47.0947


■ 0.0000, 0.3200,
0.0000


■ 115.1281,
137.1782, 65.1054


■ 0.0000, 0.0000,
0.0000


■ 145.3796,


171.6486, 87.2064


 180.5141,
211.4578, 113.8161


 15.7046, 20.9458,
3.7455


 15.7046, 20.9458,
3.7455


 15.3146, 20.7549,
3.2996


 16.1614, 21.1659,
4.4961

 15.2166, 20.7066,
3.1948

 16.7003, 21.4190,
5.6376

 17.3302, 21.7094,
7.2145

 18.0582, 22.0401,
9.2649

 18.8910, 22.4137,
11.8227

■ 19.8345, 22.8325,
14.9190

■ 20.8941, 23.2988,
18.5819

■ 22.0750, 23.8146,
22.8381

■ 23.3817, 24.3817,
27.7122

Harmonies

Analogous

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



21.4167, 20.9458, 3.0828



15.7046, 20.9458, 3.7455



11.9560, 20.9458, 7.9322

Triad

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



15.7046, 20.9458, 3.7455



13.6273, 20.9458, 61.3511



33.9491, 20.9458, 27.2863

Complementary

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



15.7046, 20.9458, 3.7455



5.3736, 2.5627, 23.1343

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.



30.7791, 20.9458, 49.7303



15.7046, 20.9458, 3.7455



18.4726, 20.9458, 74.9557

Square

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



15.7046, 20.9458, 3.7455



10.9387, 20.9458, 38.4366



24.8024, 20.9458, 69.8702



32.7891, 20.9458, 12.1183

Rectangle

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



15.7046, 20.9458, 3.7455



10.6792, 20.9458, 14.2447



24.8024, 20.9458, 69.8702



33.3359, 20.9458, 34.2531

Sweetspot

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



15.7051, 20.9468, 3.7459



35.6659, 40.9519, 27.2153



10.7448, 6.4945, 1.2178



8.1366, 9.4295, 5.8888



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.



15.7051, 20.9468, 3.7459



27.1277, 37.0174, 5.7153



10.4155, 18.2199, 3.4984



4.9606, 5.3823, 5.0068



14.0408, 19.0983, 2.9463



0.0539, 0.0689, 0.0105

Inverse Universe

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



5.3736, 2.5627, 23.1343



8.4062, 3.4289, 41.2671



9.3632, 4.6194, 23.3210



4.5061, 4.5815, 5.8476



4.3894, 1.7970, 21.2522



0.0197, 0.0085, 0.0738

Previews

White Background



This preview shows how the XYZ color 15.7046, 20.9458, 3.7455 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 15.7046, 20.9458, 3.7455 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 15.7046, 20.9458, 3.7455

Background



This preview shows how black text looks on a background with the XYZ color 15.7046, 20.9458, 3.7455.



This preview shows how white text looks on a background with the XYZ color 15.7046, 20.9458,

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

15.7046, 20.9458, 3.7455

Protanopia

18.6954, 20.7042, 3.4264

Deuteranopia

21.2241, 20.8877, 4.0117



Tritanopia

20.2915, 21.0310, 25.9116

Trichromacy



Original Color

15.7046, 20.9458, 3.7455

Protanomaly

17.4522, 20.6405, 3.5161

Deuteranomaly

18.8262, 20.5728, 3.8429

Tritanomaly

17.6672, 20.5382, 13.1583

Monochromacy



Original Color

15.7046, 20.9458, 3.7455

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.4410, 18.1284, 10.0824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7046, 20.9458, 3.7455 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(114, 135, 17)` looks like.

```
.text, #text, p{  
    color:rgb(114, 135, 17)  
}
```

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(114, 135, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 135, 17) }
```

Border

The CSS property to change the border of an element to XYZ 15.7046, 20.9458, 3.7455 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(114, 135, 17) }
```


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

```
.border{ border-color:rgb(114, 135, 17) }
```

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

Here you see how a box with a 4 pixel rgb(114, 135, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 135, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 135, 17);  
box-shadow:4px 4px 4px 4px rgb(114, 135,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7046, 20.9458, 3.7455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 135, 17) }
```

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

```
.background{ background-color: rgb(114,  
135, 17) }
```

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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