

Converting Colors

XYZ(15.6012, 20.3695, 5.0974)

Have a look what the booklet for
XYZ(15.6012, 20.3695, 5.0974)
contains.

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Color

**XYZ(15.7100, 20.5057,
5.1375)**

Conversions

Conversions Part 1

Format	Color
Hex	728528
RGB	114, 133, 40
RGB Percent	45%, 52%, 16%
CMY	0.5529, 0.4784, 0.8431
CMYK	0.14, 0.00, 0.70, 0.48
HSL	72°, 54%, 34%
HSV	72°, 70%, 52%
XYZ	15.7100, 20.5057, 5.1375
YIQ	116.7170, 18.5290, -32.9510

Conversions

Conversions Part 2

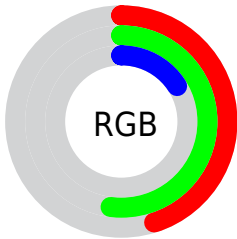
Format	Color
RYB	40, 133, 59
Decimal	7505192
CIELab	52.40, -20.45, 45.67
CIELCh	52, 50.036, 114.119
Yxy	20.5057, 0.3799, 0.4959
Android (android.graphics.Color)	4285695272 (0xFF728528)
YUV	116.7170, -37.8215, -2.3828
Hunter-Lab	45.2832, -17.3191, 24.9716

Details

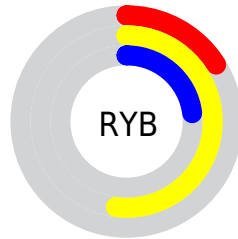
The XYZ color **15.7100, 20.5057, 5.1375** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.7968, 4.1414, 22.6327**, and the grayscale version is **16.9307, 17.8124, 19.3977**.

A 20% lighter version of the original color is **35.5957, 44.1980, 16.5525**, and **5.1432, 7.2433, 1.1270** is the 20% darker color. If you saturate the color by 10%, you get **15.1735, 20.2516, 4.1282**, and if you desaturate by 10%, it is **16.3359, 20.7982, 6.5584**.

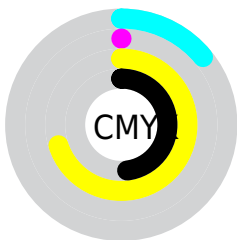
Distribution



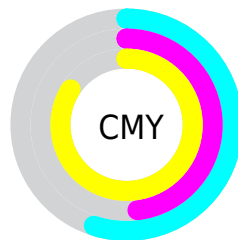
- Red (45%)
- Green (52%)
- Blue (16%)



- Red (16%)
- Yellow (52%)
- Blue (23%)



- Cyan (14%)
- Magenta (0%)
- Yellow (70%)
- Black (48%)



- Cyan (55%)
- Magenta (48%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7100, 20.5057, 5.1375 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 15.7100, 20.5057, 5.1375 by changing the saturation by 10% instead.

■ 15.7100, 20.5057,
5.1375

■ 15.7100, 20.5057,
5.1375

■ 220.9285,
254.6398, 160.1352

■ 9.4087, 12.7632,
2.2680

■ 35.6555, 44.2634,
16.5582

■ 5.0680, 7.2657,
0.7132

■ 50.0305, 61.0474,
25.9465

■ 2.3224, 3.6288,
0.0000

■ 67.8274, 81.6140,
38.3447

■ 0.8061, 1.4682,
0.0000

■ 89.4116, 106.3476,
54.1716

■ 0.0000, 0.2662,
0.0000

■ 115.1485,
135.6325, 73.8455

■ 0.0000, 0.0000,
0.0000

■ 145.4034,

169.8533, 97.7851

180.5416,
209.3942, 126.4088

■ 15.7100, 20.5057,
5.1375

■ 15.7100, 20.5057,
5.1375

■ 15.1735, 20.2516,
4.1282

■ 16.3359, 20.7982,
6.5584

■ 14.7165, 20.0298,
3.4850

■ 17.0569, 21.1293,
8.4275

■ 14.3142, 19.8310,
3.0763

■ 17.8802, 21.5025,
10.7789

■ 14.3112, 19.8295,
3.0732

■ 18.8115, 21.9202,
13.6431

■ 19.8562, 22.3845,
17.0479

■ 21.0194, 22.8975,
21.0193

■ 22.3057, 23.4609,
25.5814

■ 23.7195, 24.0767,
30.7572

■ 25.2650, 24.7464,
36.5682

Harmonies

Analogous

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



20.5245, 20.5057, 4.3108



15.7100, 20.5057, 5.1375



12.5052, 20.5057, 9.4700

Triad

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



15.7100, 20.5057, 5.1375



14.2337, 20.5057, 54.1739



31.1204, 20.5057, 25.3672

Complementary

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



15.7100, 20.5057, 5.1375



6.7968, 4.1414, 22.6327

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.



28.6858, 20.5057, 43.4675



15.7100, 20.5057, 5.1375



18.4910, 20.5057, 64.2031

Square

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



15.7100, 20.5057, 5.1375



11.7640, 20.5057, 36.0693



23.8325, 20.5057, 59.6031



30.0215, 20.5057, 12.6116

Rectangle

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



15.7100, 20.5057, 5.1375



11.4192, 20.5057, 15.4190



23.8325, 20.5057, 59.6031



30.6765, 20.5057, 31.0409

Sweetspot

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



15.7105, 20.5066, 5.1379



35.2521, 39.9491, 29.5146



11.6001, 8.2274, 2.9844



7.8421, 8.9559, 6.3202



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.7105, 20.5066, 5.1379



26.6652, 36.0200, 6.6298



11.1482, 18.1547, 4.9244



4.9490, 5.3763, 5.0063



13.6375, 18.8903, 2.9274



0.0531, 0.0684, 0.0104

Inverse Universe

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



6.7968, 4.1414, 22.6327



9.7072, 4.7359, 40.1409



10.8306, 6.2209, 22.8215



4.5169, 4.5870, 5.8481



4.4734, 1.8403, 21.2561



0.0205, 0.0090, 0.0739

Previews

White Background



This preview shows how the XYZ color 15.7100, 20.5057, 5.1375 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 15.7100, 20.5057, 5.1375 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 15.7100, 20.5057, 5.1375

Background



This preview shows how black text looks on a background with the XYZ color 15.7100, 20.5057, 5.1375.



This preview shows how white text looks on a background with the XYZ color 15.7100, 20.5057,

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

15.7100, 20.5057, 5.1375

Protanopia

18.4987, 20.3826, 4.7930

Deuteranopia

20.7808, 20.4510, 5.3348



Tritanopia

19.8229, 20.4216, 25.4512

Trichromacy



Original Color

15.7100, 20.5057, 5.1375

Protanomaly

17.4455, 20.4101, 4.9395

Deuteranomaly

18.6282, 20.2524, 5.2128

Tritanomaly

17.6354, 20.0919, 15.0052

Monochromacy



Original Color

15.7100, 20.5057, 5.1375

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.0886, 18.6002, 12.1934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7100, 20.5057, 5.1375 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, 133, 40)` looks like.

```
.text, #text, p{  
    color:rgb(114, 133, 40)  
}
```

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, 133, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 133, 40) }
```

Border

The CSS property to change the border of an element to XYZ 15.7100, 20.5057, 5.1375 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, 133, 40) }
```


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

```
.border{ border-color:rgb(114, 133, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 133, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 133, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 133, 40);  
box-shadow:4px 4px 4px 4px rgb(114, 133,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7100, 20.5057, 5.1375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 133, 40) }
```

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

```
.background{ background-color: rgb(114,  
133, 40) }
```

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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