

Converting Colors

XYZ(42.7998, 45.6100, 49.1628)

Have a look what the booklet for
XYZ(42.7998, 45.6100, 49.1628)
contains.

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Color

**XYZ(42.7920, 45.6495,
49.2037)**

Conversions

Conversions Part 1

Format	Color
Hex	B1B5B3
RGB	177, 181, 179
RGB Percent	69%, 71%, 70%
CMY	0.3059, 0.2902, 0.2980
CMYK	0.02, 0.00, 0.01, 0.29
HSL	150°, 3%, 70%
HSV	150°, 2%, 71%
XYZ	42.7920, 45.6495, 49.2037
YIQ	179.5760, -1.7420, -1.4700

Conversions

Conversions Part 2

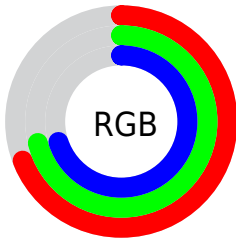
Format	Color
RYB	177, 180, 181
Decimal	11646387
CIELab	73.32, -1.77, 0.52
CIELCh	73, 1.847, 163.679
Yxy	45.6495, 0.3109, 0.3316
Android (android.graphics.Color)	4289836467 (0xFFB1B5B3)
YUV	179.5760, -0.2840, -2.2592
Hunter-Lab	67.5644, -5.1845, 4.1172

Details

The XYZ color **42.7920, 45.6495, 49.2037** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.9165, 44.5239, 48.9820**, and the grayscale version is **43.1584, 45.4060, 49.4472**.

A 20% lighter version of the original color is **78.8839, 83.8902, 90.6321**, and **19.7972, 21.2298, 22.7930** is the 20% darker color. If you saturate the color by 10%, you get **38.0536, 43.3105, 44.3570**, and if you desaturate by 10%, it is **48.1400, 48.2985, 54.3949**.

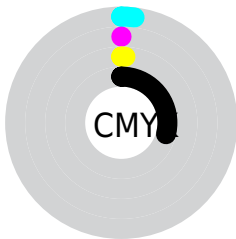
Distribution



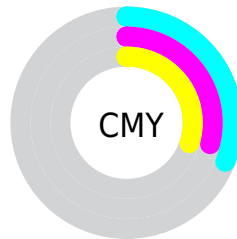
- Red (69%)
- Green (71%)
- Blue (70%)



- Red (69%)
- Yellow (71%)
- Blue (71%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7920, 45.6495, 49.2037 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 42.7920, 45.6495, 49.2037 by changing the saturation by 10% instead.

■ 42.7920, 45.6495,
49.2037

■ 42.7920, 45.6495,
49.2037

348.6917,
369.3977, 400.1892

■ 29.9158, 31.9693,
34.4144

■ 78.6546, 83.6942,
90.3780

■ 19.9224, 21.3381,
22.9322

102.3716,
108.8275, 117.6001

■ 12.4466, 13.3713,
14.3386

130.4329,
138.5473, 149.8035

■ 7.1229, 7.6848,
8.2151

163.2039,
173.2380, 187.4068

■ 3.5861, 3.8939,
4.1432

201.0500,
213.2840, 230.8284

■ 1.4708, 1.6144,
1.7042

244.3364,

■ 0.3058, 0.3673,

259.0697, 280.4870

0.3636

293.4285,
310.9795, 336.8011

■ 0.0000, 0.0000,
0.0000

■ 42.7920, 45.6495,
49.2037

■ 42.7920, 45.6495,
49.2037

■ 38.0536, 43.3105,
44.3570

■ 48.1400, 48.2985,
54.3949

■ 33.8985, 41.2640,
39.8447

■ 54.1151, 51.2623,
59.9345

■ 30.3040, 39.4998,
35.6607

■ 60.7388, 54.5533,
65.8299

■ 27.2444, 38.0049,
31.7972

■ 68.0304, 58.1813,
72.0877

■ 24.6921, 36.7651,
28.2466

■ 71.2578, 59.7067,
78.4918

■ 22.6167, 35.7649,
25.0004

■ 72.5214, 60.2121,
85.1457

■ 20.9844, 34.9870,
22.0502

■ 73.8514, 60.7441,
92.1496

■ 19.7568, 34.4118,
19.3868

■ 75.2489, 61.3031,
99.5085

■ 18.8881, 34.0159,
17.0004

■ 75.8147, 61.5295,
102.4882

Harmonies

Analogous

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



42.9587, 45.6495, 48.4224



42.7920, 45.6495, 49.2037



42.7846, 45.6495, 50.1286

Triad

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



42.7920, 45.6495, 49.2037



43.5363, 45.6495, 51.4624



43.8416, 45.6495, 48.4798

Complementary

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



42.7920, 45.6495, 49.2037



42.9165, 44.5239, 48.9820

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.



43.9980, 45.6495, 49.2829



42.7920, 45.6495, 49.2037



43.8211, 45.6495, 51.0091

Square

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



42.7920, 45.6495, 49.2037



43.2132, 45.6495, 51.4405



43.9905, 45.6495, 50.2088



43.5642, 45.6495, 48.0081

Rectangle

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



42.7920, 45.6495, 49.2037



42.8710, 45.6495, 50.7028



43.9905, 45.6495, 50.2088



43.9102, 45.6495, 48.7195

Sweetspot

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



42.7933, 45.6515, 49.2047



77.7241, 82.2938, 89.1982



43.0671, 45.8158, 48.1691



16.8097, 17.7919, 19.2895



86.6293, 91.1408, 99.2523



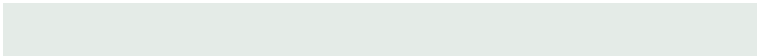
17.0014, 17.8868, 19.4787

Same Dimension

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



42.7933, 45.6515, 49.2047



75.8850, 81.3843, 87.3687



42.9906, 45.7304, 50.2435



9.1409, 9.8454, 10.5351



12.7113, 23.3105, 10.7487



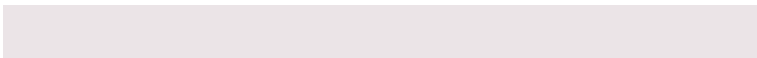
0.4294, 0.7452, 0.4933

Inverse Universe

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



42.9165, 44.5239, 48.9820



76.1877, 78.6145, 86.8217



42.7220, 44.4461, 47.9577



9.1856, 9.4366, 10.4543



14.4607, 7.3018, 7.5860



0.4844, 0.2415, 0.3938

Previews

White Background



This preview shows how the XYZ color 42.7920, 45.6495, 49.2037 looks on a white background.

Color Contrast Check

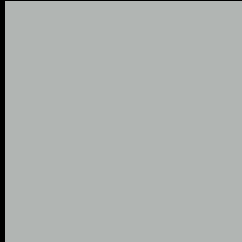
Large Text (above 18pt) WCAG AA × Fail

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 42.7920, 45.6495, 49.2037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

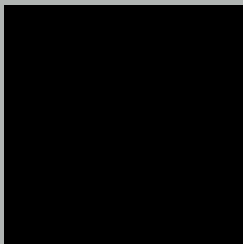
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

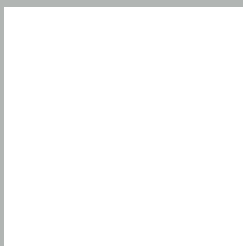
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7920, 45.6495, 49.2037

Background



This preview shows how black text looks on a background with the XYZ color 42.7920, 45.6495, 49.2037.

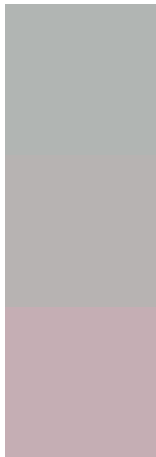


This preview shows how white text looks on a background with the XYZ color 42.7920, 45.6495,

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

42.7920, 45.6495, 49.2037

Protanopia

43.6844, 45.5218, 48.6037

Deuteranopia

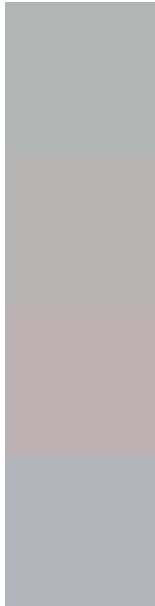
46.4002, 45.4377, 49.5048



Tritanopia

44.3361, 45.6742, 56.9313

Trichromacy



Original Color

42.7920, 45.6495, 49.2037

Protanomaly

43.4132, 45.6806, 48.6486

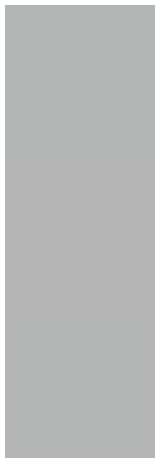
Deuteranomaly

45.1956, 45.6867, 49.6164

Tritanomaly

43.7585, 45.7383, 54.0990

Monochromacy



Original Color

42.7920, 45.6495, 49.2037

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.1499, 45.5215, 49.6923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7920, 45.6495, 49.2037 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(177, 181, 179)` looks like.

```
.text, #text, p{  
    color:rgb(177, 181, 179)  
}
```

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(177, 181, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 181, 179) }
```

Border

The CSS property to change the border of an element to XYZ 42.7920, 45.6495, 49.2037 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(177, 181, 179) }
```


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

```
.border{ border-color:rgb(177, 181, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 181, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 181, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 181, 179);  
box-shadow:4px 4px 4px 4px rgb(177, 181,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7920, 45.6495, 49.2037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 181, 179) }
```

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

```
.background{ background-color: rgb(177,  
181, 179) }
```

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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