

Converting Colors

XYZ(42.2840, 44.5520, 47.9885)

Have a look what the booklet for
XYZ(42.2840, 44.5520, 47.9885)
contains.

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Color

**XYZ(42.2163, 44.4801,
47.9555)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B2B1
RGB	178, 178, 177
RGB Percent	70%, 70%, 69%
CMY	0.3020, 0.3019, 0.3059
CMYK	0.00, 0.00, 0.01, 0.30
HSL	60°, 1%, 70%
HSV	60°, 1%, 70%
XYZ	42.2163, 44.4801, 47.9555
YIQ	177.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

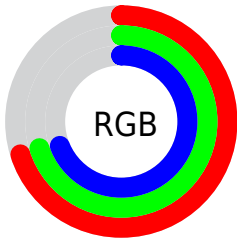
Format	Color
RYB	177, 178, 177
Decimal	11711153
CIELab	72.55, -0.18, 0.50
CIELCh	73, 0.534, 110.020
Yxy	44.4801, 0.3135, 0.3303
Android (android.graphics.Color)	4289901233 (0xFFB2B2B1)
YUV	177.8860, -0.4368, 0.1000
Hunter-Lab	66.6934, -3.7246, 4.0533

Details

The XYZ color **42.2163, 44.4801, 47.9555** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.8913, 44.0070, 48.4081**, and the grayscale version is **42.2598, 44.4606, 48.4176**.

A 20% lighter version of the original color is **78.0625, 82.2213, 88.8467**, and **19.4292, 20.4824, 21.9983** is the 20% darker color. If you saturate the color by 10%, you get **40.5437, 43.8109, 39.2119**, and if you desaturate by 10%, it is **44.1229, 45.2457, 57.9201**.

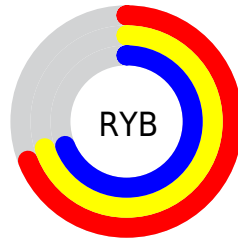
Distribution



Red (70%)

Green (70%)

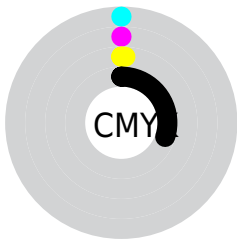
Blue (69%)



Red (69%)

Yellow (70%)

Blue (69%)

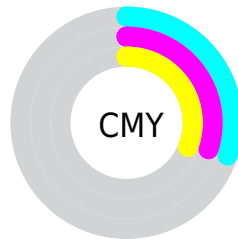


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (30%)



Cyan (30%)

Magenta (30%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2163, 44.4801, 47.9555 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 42.2163, 44.4801, 47.9555 by changing the saturation by 10% instead.

■ 42.2163, 44.4801,
47.9555

■ 42.2163, 44.4801,
47.9555

346.3552,
364.6639, 395.1193

■ 29.4625, 31.0481,
33.4319

■ 77.7900, 81.9397,
88.5030

■ 19.5770, 20.6355,
22.1837

101.3406,
106.7361, 115.3640

■ 12.1944, 12.8578,
13.7923

129.2210,
136.0894, 147.1745

■ 6.9494, 7.3307,
7.8393

161.7963,
170.3841, 184.3532

■ 3.4765, 3.6698,
3.9060

199.4321,
210.0045, 227.3184

■ 1.4105, 1.4906,
1.5739

242.4936,

■ 0.2637, 0.2821,

255.3350, 276.4888

0.2721

291.3462,
306.7599, 332.2830

■ 0.0000, 0.0000,
0.0000

■ 42.2163, 44.4801,
47.9555

■ 42.2163, 44.4801,
47.9555

■ 40.5437, 43.8109,
39.2119

■ 44.1229, 45.2457,
57.9201

■ 39.0924, 43.2288,
31.6394

■ 46.2682, 46.1054,
69.1470

■ 37.8543, 42.7320,
25.1894

■ 48.6614, 47.0642,
81.6793

■ 36.8191, 42.3165,
19.8084

■ 51.3101, 48.1252,
95.5570

■ 35.9761, 41.9777,
15.4387

■ 52.3987, 48.5622,
101.2195

■ 35.3130, 41.7109,
12.0171

■ 52.4122, 48.5692,
101.2201

■ 34.8167, 41.5109,
9.4734

■ 52.4256, 48.5761,
101.2207

■ 34.4720, 41.3714,
7.7276

■ 52.4391, 48.5830,
101.2214

■ 34.2608, 41.2854,
6.6852

■ 52.4525, 48.5900,
101.2220

Harmonies

Analogous

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



42.3078, 44.4801, 47.9326



42.2163, 44.4801, 47.9555



42.1412, 44.4801, 48.1056

Triad

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



42.2163, 44.4801, 47.9555



42.1631, 44.4801, 48.8216



42.4519, 44.4801, 48.5194

Complementary

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



42.2163, 44.4801, 47.9555



41.8913, 44.0070, 48.4081

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.



42.4131, 44.4801, 48.7584



42.2163, 44.4801, 47.9555



42.2463, 44.4801, 48.9333

Square

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



42.2163, 44.4801, 47.9555



42.1105, 44.4801, 48.6054



42.3378, 44.4801, 48.9102



42.4439, 44.4801, 48.2576

Rectangle

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



42.2163, 44.4801, 47.9555



42.1105, 44.4801, 48.2579



42.3378, 44.4801, 48.9102



42.4439, 44.4801, 48.6051

Sweetspot

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



42.2176, 44.4820, 47.9565



76.7382, 80.7346, 87.9200



42.0195, 44.0847, 47.8902



17.0014, 17.8868, 19.4787



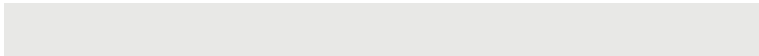
86.6293, 91.1408, 99.2523

Same Dimension

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



42.2176, 44.4820, 47.9565



76.4081, 80.6023, 86.1946



42.1034, 44.4232, 47.9511



9.5131, 10.0330, 10.7455



24.4335, 29.5060, 4.4074



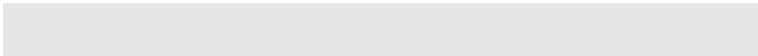
0.7697, 0.9288, 0.1387

Inverse Universe

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



41.8913, 44.0070, 48.4081



75.3430, 79.0518, 87.6687



42.0050, 44.0656, 48.4134



9.3915, 9.8561, 10.9138



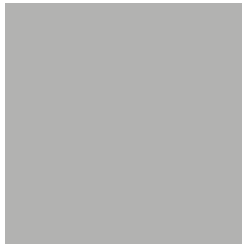
5.7561, 2.3031, 30.2782



0.1820, 0.0729, 0.9527

Previews

White Background



This preview shows how the XYZ color 42.2163, 44.4801, 47.9555 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 42.2163, 44.4801, 47.9555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

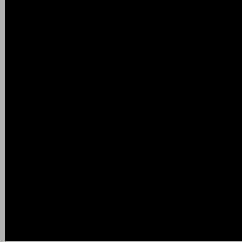
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

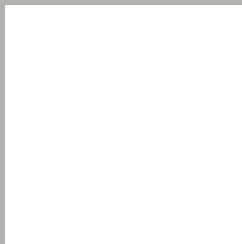
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2163, 44.4801, 47.9555

Background



This preview shows how black text looks on a background with the XYZ color 42.2163, 44.4801, 47.9555.

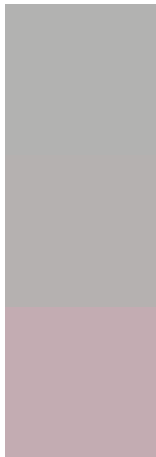


This preview shows how white text looks on a background with the XYZ color 42.2163, 44.4801,

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

42.2163, 44.4801, 47.9555

Protanopia

42.6147, 44.4026, 47.3988

Deuteranopia

45.2941, 44.3215, 48.2871



Tritanopia

43.6420, 44.4717, 54.9989

Trichromacy



Original Color

42.2163, 44.4801, 47.9555

Protanomaly

42.3810, 44.2822, 47.3879

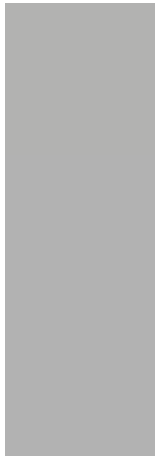
Deuteranomaly

44.1582, 44.3053, 48.3439

Tritanomaly

43.0695, 44.5308, 52.2242

Monochromacy



Original Color

42.2163, 44.4801, 47.9555

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.3164, 44.5201, 48.4824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2163, 44.4801, 47.9555 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(178, 178, 177)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 177)  
}
```

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(178, 178, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 178, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.2163, 44.4801, 47.9555 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(178, 178, 177) }
```

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

```
.border{ border-color:rgb(178, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 178, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 178, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 178, 177);  
box-shadow:4px 4px 4px 4px rgb(178, 178,  
177) }
```


Background

The CSS property to change the background color of an element to XYZ 42.2163, 44.4801, 47.9555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 178, 177) }
```

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

```
.background{ background-color: rgb(178,  
178, 177) }
```

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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