

# Converting Colors

XYZ(44.9976, 47.7738, 60.2757)

Have a look what the booklet for  
XYZ(44.9976, 47.7738, 60.2757)  
contains.

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# **Color**

**XYZ(44.9976, 47.7738,  
60.2757)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AEB9C6
RGB	174, 185, 198
RGB Percent	68%, 73%, 78%
CMY	0.3176, 0.2745, 0.2235
CMYK	0.12, 0.07, 0.00, 0.22
HSL	212°, 17%, 73%
HSV	212°, 12%, 78%
XYZ	44.9976, 47.7738, 60.2757
YIQ	183.1930, -10.7290, 1.7110

# Conversions

## Conversions Part 2

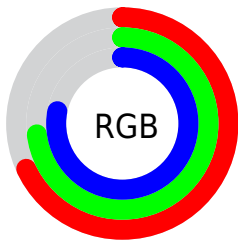
Format	Color
<a href="#">RYB</a>	<a href="#">174, 182, 198</a>
Decimal	<a href="#">11450822</a>
CIELab	<a href="#">74.68, -1.18, -7.87</a>
CIELCh	<a href="#">75, 7.959, 261.475</a>
Yxy	<a href="#">47.7738, 0.2940, 0.3122</a>
Android (android.graphics.Color)	<a href="#">4289640902</a> ( <a href="#">0xFFFAEB9C6</a> )
YUV	<a href="#">183.1930, 7.2999, -8.0623</a>
Hunter-Lab	<a href="#">69.1186, -4.7504, -3.3215</a>

# Details

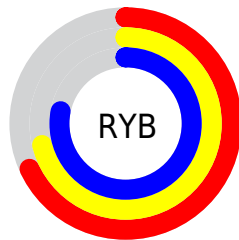
The XYZ color **44.9976, 47.7738, 60.2757** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.6994, 50.6023, 47.2459**, and the grayscale version is **45.0822, 47.4300, 51.6512**.

A 20% lighter version of the original color is **82.1384, 86.9536, 107.0623**, and **21.1705, 22.5811, 29.6283** is the 20% darker color. If you saturate the color by 10%, you get **38.7485, 41.3479, 59.3655**, and if you desaturate by 10%, it is **52.0690, 54.8773, 61.2749**.

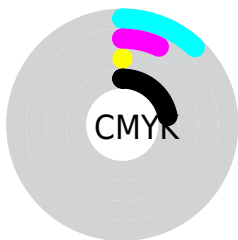
# Distribution



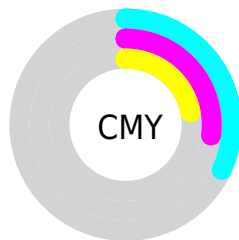
- Red (68%)
- Green (73%)
- Blue (78%)



- Red (68%)
- Yellow (71%)
- Blue (78%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (32%)
- Magenta (27%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9976, 47.7738, 60.2757 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 44.9976, 47.7738, 60.2757 by changing the saturation by 10% instead.



■ 44.9976, 47.7738,  
60.2757

■ 44.9976, 47.7738,  
60.2757

357.5477,  
377.8948, 443.4461

■ 31.6568, 33.6478,  
43.2141

■ 81.9539, 86.8675,  
106.7768

■ 21.2538, 22.6232,  
29.7205

106.3001,  
112.6040, 137.0534

■ 13.4231, 14.3155,  
19.3763

135.0455,  
142.9795, 172.5721

■ 7.7996, 8.3404,  
11.7629

168.5554,  
178.3783, 213.7515

■ 4.0177, 4.3135,  
6.4619

207.1953,  
219.1848, 261.0100

■ 1.7121, 1.8505,  
3.0546

251.3304,

■ 0.4639, 0.5183,

265.7835, 314.7662

1.1226

301.3260,  
318.5587, 375.4388

0.0000, 0.0000,  
0.0000

44.9976, 47.7738,  
60.2757

44.9976, 47.7738,  
60.2757

38.7485, 41.3479,  
59.3655

52.0690, 54.8773,  
61.2749

33.2853, 35.5716,  
58.5385

59.9887, 62.6734,  
62.3622

28.5753, 30.4236,  
57.7931

68.7865, 71.1838,  
63.5412

24.5815, 25.8788,  
57.1263

78.4899, 80.4278,  
64.8141

21.2635, 21.9104,  
56.5352

82.1884, 86.8477,  
65.8583

■ 18.5766, 18.4888,  
56.0164

■ 85.4149, 93.3007,  
66.9338

■ 16.4697, 15.5811,  
55.5662

■ 87.1932, 96.8573,  
67.5266

■ 14.8828, 13.1492,  
55.1805

■ 13.9147, 11.5202,  
54.9171

# Harmonies

## Analogous

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



43.7017, 47.7738, 58.4830



44.9976, 47.7738, 60.2757



46.4306, 47.7738, 59.7656

# Triad

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



44.9976, 47.7738, 60.2757



48.0380, 47.7738, 49.1633



43.2720, 47.7738, 47.2249

# Complementary

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



44.9976, 47.7738, 60.2757



48.6994, 50.6023, 47.2459

# 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.



44.3997, 47.7738, 44.9699



44.9976, 47.7738, 60.2757



47.1572, 47.7738, 46.0471

# Square

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



44.9976, 47.7738, 60.2757



48.2063, 47.7738, 53.2041



45.8200, 47.7738, 44.5504



42.7193, 47.7738, 50.8488



# Rectangle

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



44.9976, 47.7738, 60.2757



47.2695, 47.7738, 58.1993



45.8200, 47.7738, 44.5504



43.5952, 47.7738, 46.2898

# Sweetspot

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



44.9990, 47.7758, 60.2768



89.6594, 94.6425, 108.1500



46.5988, 52.9670, 54.6701



18.9797, 20.0466, 23.1190



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

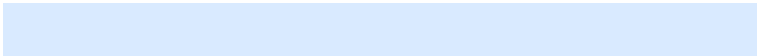


# Same Dimension

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



44.9990, 47.7758, 60.2768



76.0950, 80.9415, 106.2204



42.9644, 43.4412, 59.5473



10.4506, 11.0752, 13.5044



9.1324, 7.6588, 35.7413



0.5046, 0.5071, 1.7164



# Inverse Universe

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



47.1829, 45.7818, 52.2511



80.8807, 76.7138, 88.6012



50.9132, 55.3423, 48.0442



10.8327, 10.7165, 12.1023



16.4090, 8.3131, 7.3634

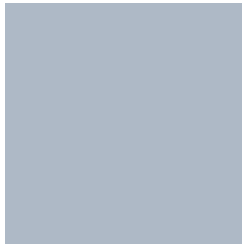


0.8134, 0.4082, 0.5406



# Previews

## White Background



This preview shows how the XYZ color 44.9976, 47.7738, 60.2757 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

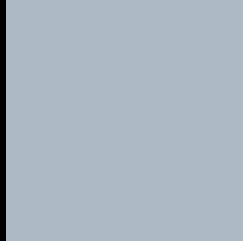
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9976, 47.7738, 60.2757 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

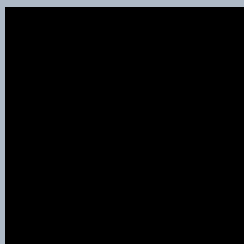
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

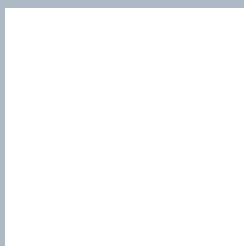
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.9976, 47.7738, 60.2757**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9976, 47.7738, 60.2757.



This preview shows how white text looks on a background with the XYZ color 44.9976, 47.7738,



# 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

44.9976, 47.7738, 60.2757

### Protanopia

46.2202, 47.5087, 58.9586

### Deuteranopia

48.4773, 47.4336, 60.6334



## Tritanopia

45.1133, 47.8201, 60.8853

# Trichromacy



## Original Color

44.9976, 47.7738, 60.2757

## Protanomaly

45.8339, 47.6015, 59.5956

## Deuteranomaly

47.3262, 47.7361, 60.7525

## Tritanomaly

45.1133, 47.8201, 60.8853

# Monochromacy



## Original Color

44.9976, 47.7738, 60.2757

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.0400, 47.6151, 54.3937

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9976, 47.7738, 60.2757 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(174, 185, 198)` looks like.

```
.text, #text, p{  
    color:rgb(174, 185, 198)  
}
```

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(174, 185, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 185, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9976, 47.7738, 60.2757 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(174, 185, 198) }
```



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

```
.border{ border-color:rgb(174, 185, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 185, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 185, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 185, 198);  
box-shadow:4px 4px 4px 4px rgb(174, 185,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9976, 47.7738, 60.2757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 185, 198) }
```

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

```
.background{ background-color: rgb(174,  
185, 198) }
```

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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