

# Converting Colors

XYZ(52.2688, 58.6978, 76.2416)

Have a look what the booklet for  
XYZ(52.2688, 58.6978, 76.2416)  
contains.

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# Color

**XYZ(52.2443, 58.5636,  
76.2605)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ACCFDC
RGB	172, 207, 220
RGB Percent	67%, 81%, 86%
CMY	0.3255, 0.1882, 0.1372
CMYK	0.22, 0.06, 0.00, 0.14
HSL	196°, 41%, 77%
HSV	196°, 22%, 86%
XYZ	52.2443, 58.5636, 76.2605
YIQ	198.0170, -25.0330, -3.3770

# Conversions

## Conversions Part 2

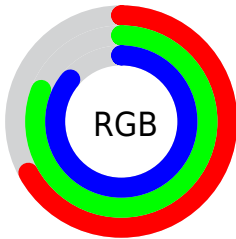
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 192, 220
Decimal	11325404
CIELab	81.05, -8.75, -10.28
CIELCh	81, 13.500, 229.622
Yxy	58.5636, 0.2793, 0.3131
Android (android.graphics.Color)	4289515484 (0xFFACCFDC)
YUV	198.0170, 10.8376, -22.8169
Hunter-Lab	76.5269, -12.0614, -5.5148

# Details

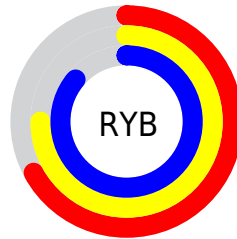
The XYZ color **52.2443, 58.5636, 76.2605** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.3111, 52.8922, 46.3775**, and the grayscale version is **53.6353, 56.4285, 61.4507**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **25.7905, 29.4210, 39.9168** is the 20% darker color. If you saturate the color by 10%, you get **46.3941, 53.4468, 75.5822**, and if you desaturate by 10%, it is **58.9517, 64.2061, 76.9971**.

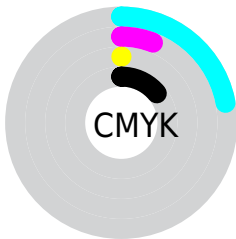
# Distribution



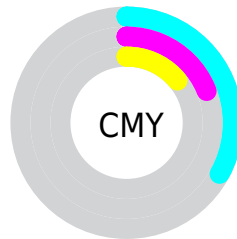
- Red (67%)
- Green (81%)
- Blue (86%)



- Red (67%)
- Yellow (75%)
- Blue (86%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)



- Cyan (33%)
- Magenta (19%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2443, 58.5636, 76.2605 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 52.2443, 58.5636, 76.2605 by changing the saturation by 10% instead.



■ 52.2443, 58.5636,  
76.2605

■ 52.2443, 58.5636,  
76.2605

385.6875,  
419.2828, 501.6095

■ 37.4249, 42.2619,  
56.1382

■ 92.6635, 102.7431,  
129.8585

■ 25.7118, 29.3064,  
39.9090

118.9941,  
131.3898, 164.1713

■ 16.7397, 19.3128,  
27.1544

149.8923,  
164.9202, 204.0514

■ 10.1432, 11.8965,  
17.4557

185.7237,  
203.7188, 249.9173

■ 5.5570, 6.6732,  
10.3946

226.8536,  
248.1700, 302.1875

■ 2.6157, 3.2586,  
5.5523

273.6473,

■ 0.9540, 1.2682,

298.6581, 361.2806

2.5105

326.4701,  
355.5675, 427.6151

■ 0.0000, 0.1164,  
0.8457

■ 0.0000, 0.0000,  
0.0000

■ 52.2443, 58.5636,  
76.2605

■ 52.2443, 58.5636,  
76.2605

■ 46.3941, 53.4468,  
75.5822

■ 58.9517, 64.2061,  
76.9971

■ 41.3561, 48.8272,  
74.9560

■ 66.5484, 70.3872,  
77.7897

■ 37.0887, 44.6840,  
74.3812

■ 75.0709, 77.1282,  
78.6417

■ 33.5445, 40.9917,  
73.8553

■ 82.6876, 83.4857,  
79.4674

■ 30.6705, 37.7222,  
73.3757

■ 84.3819, 86.8743,  
80.0321

■ 28.4059, 34.8431,  
72.9394

■ 86.1335, 90.3774,  
80.6160

■ 26.6780, 32.3161,  
72.5427

■ 87.9428, 93.9962,  
81.2191

■ 25.5639, 30.4582,  
72.2428

■ 89.8106, 97.7317,  
81.8417

■ 89.9185, 97.9474,  
81.8776

# Harmonies

## Analogous

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



50.7396, 58.5636, 69.0904



52.2443, 58.5636, 76.2605



54.6978, 58.5636, 80.1837

# Triad

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



52.2443, 58.5636, 76.2605



61.1339, 58.5636, 66.5866



53.8728, 58.5636, 50.3051

# Complementary

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



52.2443, 58.5636, 76.2605



54.3111, 52.8922, 46.3775

# 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.



56.6393, 58.5636, 49.7575



52.2443, 58.5636, 76.2605



60.8949, 58.5636, 58.7220

# Square

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



52.2443, 58.5636, 76.2605



59.8700, 58.5636, 74.2958



59.2276, 58.5636, 52.7163



51.6577, 58.5636, 54.2810



# Rectangle

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



52.2443, 58.5636, 76.2605



56.5686, 58.5636, 80.2249



59.2276, 58.5636, 52.7163



54.7670, 58.5636, 49.7275

# Sweetspot

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



52.2460, 58.5660, 76.2618



87.2626, 93.7252, 108.0993



51.3434, 63.4525, 55.3309



18.5404, 19.9491, 23.1233



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

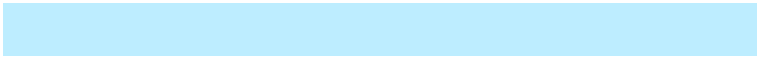


# Same Dimension

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



52.2460, 58.5660, 76.2618



69.2598, 78.5963, 106.1280



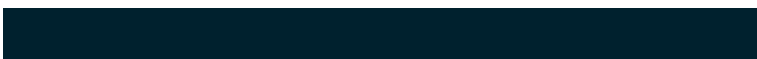
46.9074, 47.8887, 74.4823



13.1312, 14.2021, 16.7013



15.0997, 18.0689, 42.4302



1.0482, 1.3105, 2.7722



# Inverse Universe

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



55.5316, 49.2269, 65.6091



74.6661, 63.6434, 88.5061



59.7140, 63.6981, 48.1785



13.4561, 13.2115, 15.6629



21.1170, 10.4478, 20.7939

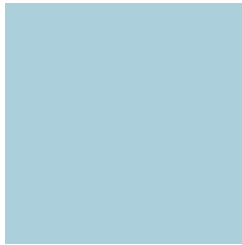


1.4034, 0.6910, 1.5331



# Previews

## White Background



This preview shows how the XYZ color 52.2443, 58.5636, 76.2605 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

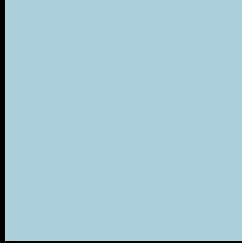
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2443, 58.5636, 76.2605 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

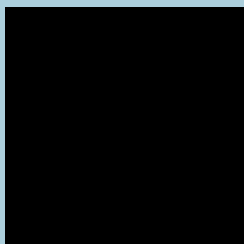
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

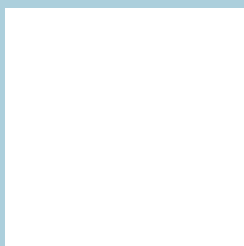
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.2443, 58.5636, 76.2605**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2443, 58.5636, 76.2605.



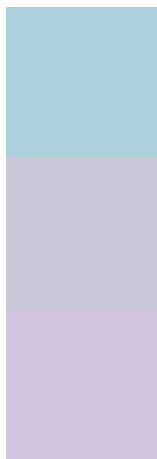
This preview shows how white text looks on a background with the XYZ color 52.2443, 58.5636,



# 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

52.2443, 58.5636, 76.2605

### Protanopia

56.7394, 58.4942, 72.5900

### Deuteranopia

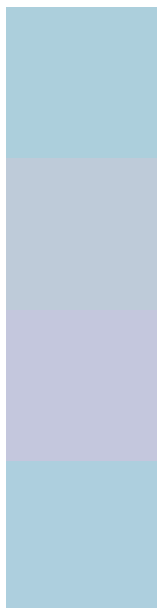
59.2783, 58.0058, 77.1792



## Tritanopia

52.8657, 58.8376, 78.3825

# Trichromacy



## Original Color

52.2443, 58.5636, 76.2605

## Protanomaly

55.1155, 58.6688, 74.0649

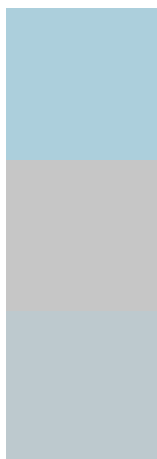
## Deuteranomaly

56.2395, 57.8031, 76.5996

## Tritanomaly

52.7312, 58.7838, 77.6744

# Monochromacy



## Original Color

52.2443, 58.5636, 76.2605

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

53.0135, 57.0483, 66.6098

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2443, 58.5636, 76.2605 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(172, 207, 220)` looks like.

```
.text, #text, p{  
    color:rgb(172, 207, 220)  
}
```

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(172, 207, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 207, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2443, 58.5636, 76.2605 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(172, 207, 220) }
```



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

```
.border{ border-color:rgb(172, 207, 220) }
```

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

Here you see how a box with a 4 pixel rgb(172, 207, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 207, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 207, 220);  
box-shadow:4px 4px 4px 4px rgb(172, 207,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2443, 58.5636, 76.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 207, 220) }
```

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

```
.background{ background-color: rgb(172,  
207, 220) }
```

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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