

Converting Colors

XYZ(45.5661, 52.4884, 75.7920)

Have a look what the booklet for
XYZ(45.5661, 52.4884, 75.7920)
contains.

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Color

**XYZ(45.7380, 52.7321,
76.1743)**

Conversions

Conversions Part 1

Format	Color
Hex	93C8DD
RGB	147, 200, 221
RGB Percent	58%, 78%, 87%
CMY	0.4235, 0.2157, 0.1333
CMYK	0.33, 0.10, 0.00, 0.13
HSL	197°, 52%, 72%
HSV	197°, 33%, 87%
XYZ	45.7380, 52.7321, 76.1743
YIQ	186.5470, -38.3290, -4.7050

Conversions

Conversions Part 2

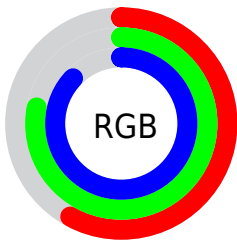
Format	Color
RYB	147, 178, 221
Decimal	9685213
CIELab	77.72, -12.13, -15.97
CIELCh	78, 20.054, 232.766
Yxy	52.7321, 0.2619, 0.3019
Android (android.graphics.Color)	4287875293 (0xFF93C8DD)
YUV	186.5470, 16.9853, -34.6827
Hunter-Lab	72.6169, -14.6507, -11.3627

Details

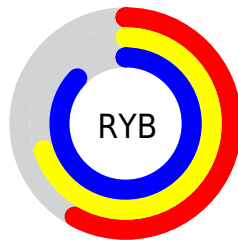
The XYZ color **45.7380, 52.7321, 76.1743** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.0885, 45.4844, 33.7970**, and the grayscale version is **46.9033, 49.3459, 53.7377**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **21.6760, 25.6381, 39.8826** is the 20% darker color. If you saturate the color by 10%, you get **40.7269, 48.0379, 75.5333**, and if you desaturate by 10%, it is **51.5731, 57.9420, 76.8733**.

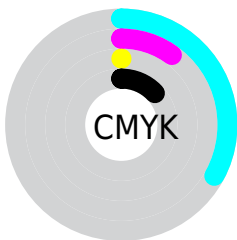
Distribution



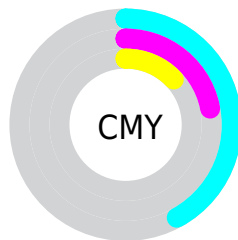
- Red (58%)
- Green (78%)
- Blue (87%)



- Red (58%)
- Yellow (70%)
- Blue (87%)



- Cyan (33%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (42%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7380, 52.7321, 76.1743 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 45.7380, 52.7321, 76.1743 by changing the saturation by 10% instead.

■ 45.7380, 52.7321,
76.1743

■ 45.7380, 52.7321,
76.1743

360.4879,
397.2564, 501.3069

■ 32.2429, 37.5889,
56.0679

■ 83.0570, 94.2100,
129.7356

■ 21.7035, 25.6638,
39.8530

■ 107.6116,
121.3136, 164.0276

■ 13.7546, 16.5723,
27.1111

136.5834,
153.1728, 203.8853

■ 8.0307, 9.9300,
17.4235

170.3378,
190.1720, 249.7271

■ 4.1666, 5.3526,
10.3717

209.2401,
232.6955, 301.9716

■ 1.7968, 2.4556,
5.5373

253.6556,

■ 0.5157, 0.8543,

281.1279, 361.0374

2.5016

303.9498,
335.8534, 427.3430

■ 0.0000, 0.0000,
0.8410

■ 0.0000, 0.0000,
0.0000

■ 45.7380, 52.7321,
76.1743

■ 45.7380, 52.7321,
76.1743

■ 40.7269, 48.0379,
75.5333

■ 51.5731, 57.9420,
76.8733

■ 36.4907, 43.8294,
74.9442

■ 58.2685, 63.6836,
77.6286

■ 32.9819, 40.0821,
74.4058

■ 65.8637, 69.9796,
78.4436

■ 30.1458, 36.7670,
73.9154

■ 74.3946, 76.8494,
79.3199

■ 27.9192, 33.8501,
73.4698

■ 82.9678, 83.8335,
80.2162

■ 26.2257, 31.2911,
73.0651

■ 84.7582, 87.4144,
80.8130

■ 25.3279, 29.7737,
72.8195

■ 86.6122, 91.1223,
81.4310

■ 88.5304, 94.9587,
82.0704

■ 90.0513, 98.0005,
82.5773

Harmonies

Analogous

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



43.5475, 52.7321, 66.0928



45.7380, 52.7321, 76.1743



49.1862, 52.7321, 81.3426

Triad

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



45.7380, 52.7321, 76.1743



57.8962, 52.7321, 60.1504



47.2868, 52.7321, 39.8736

Complementary

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



45.7380, 52.7321, 76.1743



49.0885, 45.4844, 33.7970

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.



51.0661, 52.7321, 38.7124



45.7380, 52.7321, 76.1743



57.3232, 52.7321, 49.5345

Square

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



45.7380, 52.7321, 76.1743



56.3014, 52.7321, 71.3472



54.7739, 52.7321, 42.0221



44.4090, 52.7321, 45.4282

Rectangle

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



45.7380, 52.7321, 76.1743



51.7879, 52.7321, 80.8915



54.7739, 52.7321, 42.0221



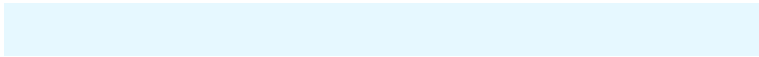
48.4888, 52.7321, 38.9886

Sweetspot

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



45.7396, 52.7342, 76.1755



84.0178, 90.9503, 107.7347



44.9549, 60.7429, 46.3858



17.6737, 19.2085, 23.0261



0.0000, 0.0000, 0.0000



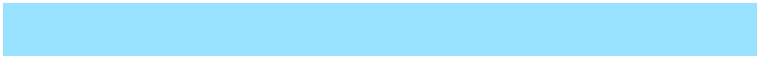
20.3446, 21.4041, 23.3091

Same Dimension

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



45.7396, 52.7342, 76.1755



58.3987, 68.4160, 104.7354



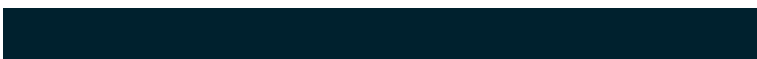
38.1880, 37.6309, 73.6583



13.1164, 14.1726, 16.6964



14.8140, 17.4974, 42.3349



1.0316, 1.2773, 2.7666

Inverse Universe

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



50.6791, 40.4110, 59.7750



66.3665, 49.5366, 78.0561



56.9096, 61.1265, 36.4040



13.4486, 13.2085, 15.6237



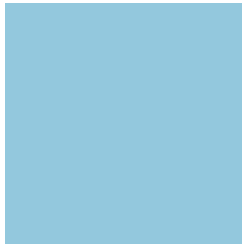
20.9727, 10.3901, 20.0342



1.3950, 0.6876, 1.4889

Previews

White Background



This preview shows how the XYZ color 45.7380, 52.7321, 76.1743 looks on a white background.

Color Contrast Check

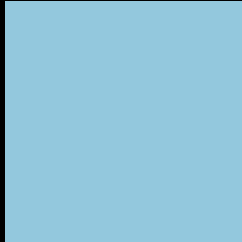
Large Text (above 18pt) WCAG AA × Fail

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 45.7380, 52.7321, 76.1743 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 45.7380, 52.7321, 76.1743

Background



This preview shows how black text looks on a background with the XYZ color 45.7380, 52.7321, 76.1743.



This preview shows how white text looks on a background with the XYZ color 45.7380, 52.7321,

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

45.7380, 52.7321, 76.1743

Protanopia

51.4182, 52.4246, 71.6989

Deuteranopia

53.4730, 52.3918, 77.8153



Tritanopia

45.2651, 52.8940, 73.4695

Trichromacy



Original Color

45.7380, 52.7321, 76.1743

Protanomaly

49.0498, 52.4776, 73.1896

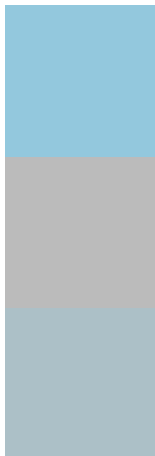
Deuteranomaly

50.3004, 52.3741, 77.2701

Tritanomaly

45.3956, 52.9462, 74.1567

Monochromacy



Original Color

45.7380, 52.7321, 76.1743

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.1717, 50.5935, 61.3648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7380, 52.7321, 76.1743 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(147, 200, 221)` looks like.

```
.text, #text, p{  
    color:rgb(147, 200, 221)  
}
```

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(147, 200, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 200, 221) }
```

Border

The CSS property to change the border of an element to XYZ 45.7380, 52.7321, 76.1743 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(147, 200, 221) }
```


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

```
.border{ border-color:rgb(147, 200, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 200, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 200, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 200, 221);  
box-shadow:4px 4px 4px 4px rgb(147, 200,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7380, 52.7321, 76.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 200, 221) }
```

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

```
.background{ background-color: rgb(147,  
200, 221) }
```

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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