

Converting Colors

XYZ(49.0378, 53.9224, 75.5107)

Have a look what the booklet for
XYZ(49.0378, 53.9224, 75.5107)
contains.

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Color

**XYZ(48.8382, 53.6625,
75.4940)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C6DC
RGB	166, 198, 220
RGB Percent	65%, 78%, 86%
CMY	0.3490, 0.2235, 0.1372
CMYK	0.25, 0.10, 0.00, 0.14
HSL	204°, 44%, 76%
HSV	204°, 25%, 86%
XYZ	48.8382, 53.6625, 75.4940
YIQ	190.9400, -26.1340, 0.0580

Conversions

Conversions Part 2

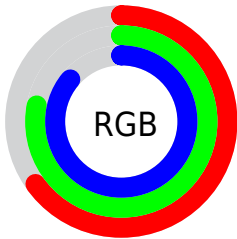
Format	Color
R _{YB}	166, 186, 220
Decimal	10929884
CIE _{Lab}	78.26, -5.84, -14.49
CIE _{LCh}	78, 15.623, 248.064
Yxy	53.6625, 0.2744, 0.3015
Android (android.graphics.Color)	4289119964 (0xFFA6C6DC)
YUV	190.9400, 14.3266, -21.8724
Hunter-Lab	73.2547, -9.1915, -9.8241

Details

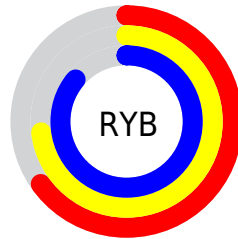
The XYZ color **48.8382, 53.6625, 75.4940** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.3818, 53.9353, 43.6218**, and the grayscale version is **49.4182, 51.9918, 56.6191**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **23.5748, 26.1738, 39.4068** is the 20% darker color. If you saturate the color by 10%, you get **42.6271, 47.5102, 74.6347**, and if you desaturate by 10%, it is **55.9627, 60.4683, 76.4330**.

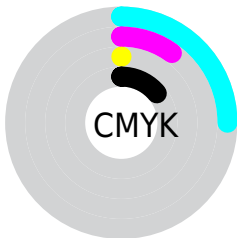
Distribution



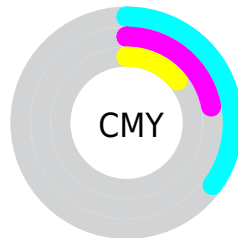
- Red (65%)
- Green (78%)
- Blue (86%)



- Red (65%)
- Yellow (73%)
- Blue (86%)



- Cyan (25%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)



- Cyan (35%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8382, 53.6625, 75.4940 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 48.8382, 53.6625, 75.4940 by changing the saturation by 10% instead.

■ 48.8382, 53.6625,
75.4940

■ 48.8382, 53.6625,
75.4940

372.6325,
400.8217, 498.9144

■ 34.7052, 38.3319,
55.5135

■ 87.6533, 95.5785,
128.7649

■ 23.6013, 26.2404,
39.4116

■ 113.0660,
122.9327, 162.8924

■ 15.1613, 17.0036,
26.7698

142.9693,
155.0636, 202.5727

■ 9.0197, 10.2370,
17.1695

177.7286,
192.3555, 248.2243

■ 4.8112, 5.5564,
10.1922

217.7092,
235.1929, 300.2657

■ 2.1706, 2.5773,
5.4193

263.2765,

■ 0.7271, 0.9153,

283.9601, 359.1155

2.4323

314.7958,
339.0416, 425.1923

■ 0.0000, 0.0000,
0.8040

■ 0.0000, 0.0000,
0.0000

■ 48.8382, 53.6625,
75.4940

■ 48.8382, 53.6625,
75.4940

■ 42.6271, 47.5102,
74.6347

■ 55.9627, 60.4683,
76.4330

■ 37.2822, 41.9800,
73.8490

■ 64.0350, 67.9443,
77.4506

■ 32.7594, 37.0472,
73.1353

■ 73.0936, 76.1147,
78.5502

■ 29.0083, 32.6828,
72.4906

■ 83.1733, 85.0003,
79.7340

■ 25.9724, 28.8542,
71.9116

■ 86.1535, 90.4174,
80.6226

■ 23.5866, 25.5243,
71.3946

■ 88.8986, 95.9078,
81.5376

■ 21.7718, 22.6489,
70.9352

■ 89.9184, 97.9474,
81.8776

■ 20.9518, 21.2342,
70.7054

Harmonies

Analogous

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



46.5113, 53.6625, 69.4456



48.8382, 53.6625, 75.4940



51.8344, 53.6625, 76.7503

Triad

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



48.8382, 53.6625, 75.4940



57.0543, 53.6625, 56.0973



47.4626, 53.6625, 46.1421

Complementary

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



48.8382, 53.6625, 75.4940



54.3818, 53.9353, 43.6218

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.



50.1837, 53.6625, 43.2839



48.8382, 53.6625, 75.4940



55.7783, 53.6625, 48.6444

Square

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



48.8382, 53.6625, 75.4940



56.6590, 53.6625, 64.9524



53.2341, 53.6625, 44.1519



45.7395, 53.6625, 52.3583

Rectangle

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



48.8382, 53.6625, 75.4940



53.8229, 53.6625, 74.5945



53.2341, 53.6625, 44.1519



48.2865, 53.6625, 44.7865

Sweetspot

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



48.8398, 53.6647, 75.4952



86.5092, 92.2184, 107.8481



50.3541, 62.9080, 56.8408



18.3658, 19.5997, 23.0651



0.0000, 0.0000, 0.0000



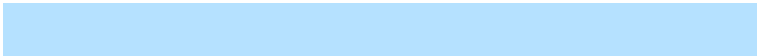
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8398, 53.6647, 75.4952



64.0094, 70.8330, 104.9062



43.2838, 42.5526, 73.6432



12.9770, 13.8936, 16.6499



12.4083, 12.6861, 41.5331



0.8878, 0.9896, 2.7187

Inverse Universe

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



53.3457, 46.5665, 59.6052



71.3477, 59.7575, 78.9191



60.5978, 66.3672, 45.6938



13.3782, 13.1804, 15.2530



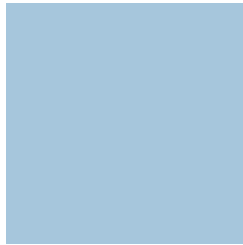
19.7585, 9.9044, 13.6401



1.3224, 0.6586, 1.1066

Previews

White Background



This preview shows how the XYZ color 48.8382, 53.6625, 75.4940 looks on a white background.

Color Contrast Check

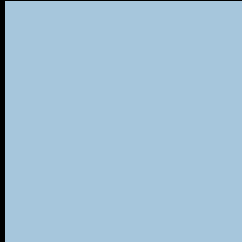
Large Text (above 18pt) WCAG AA × Fail

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 48.8382, 53.6625, 75.4940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

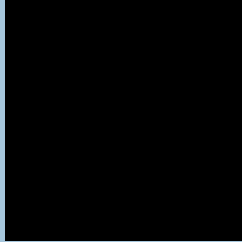
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8382, 53.6625, 75.4940

Background



This preview shows how black text looks on a background with the XYZ color 48.8382, 53.6625, 75.4940.



This preview shows how white text looks on a background with the XYZ color 48.8382, 53.6625,

75.4940.

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

48.8382, 53.6625, 75.4940

Protanopia

52.4795, 53.6043, 72.5464

Deuteranopia

54.4567, 53.2461, 76.5146



Tritanopia

48.2062, 53.7525, 72.1245

Trichromacy



Original Color

48.8382, 53.6625, 75.4940

Protanomaly

50.8722, 53.4171, 73.2749

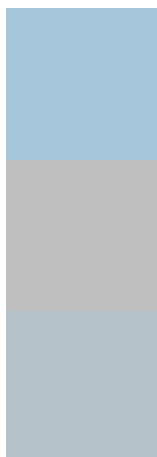
Deuteranomaly

52.1505, 53.3588, 75.9573

Tritanomaly

48.4649, 53.8559, 73.4865

Monochromacy



Original Color

48.8382, 53.6625, 75.4940

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.2439, 52.7929, 63.4717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8382, 53.6625, 75.4940 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(166, 198, 220)` looks like.

```
.text, #text, p{  
    color:rgb(166, 198, 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(166, 198, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 198, 220) }
```

Border

The CSS property to change the border of an element to XYZ 48.8382, 53.6625, 75.4940 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(166, 198, 220) }
```


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

```
.border{ border-color:rgb(166, 198, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 198, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 198, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 198, 220);  
box-shadow:4px 4px 4px 4px rgb(166, 198,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8382, 53.6625, 75.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 198, 220) }
```

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

```
.background{ background-color: rgb(166,  
198, 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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