

Converting Colors

XYZ(42.0327, 49.9259, 75.0323)

Have a look what the booklet for
XYZ(42.0327, 49.9259, 75.0323)
contains.

XYZ(41.9378, 49.7669, 75.1058)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.9378, 49.7669,
75.1058)**

Conversions

Conversions Part 1

Format	Color
Hex	81C5DC
RGB	129, 197, 220
RGB Percent	51%, 77%, 86%
CMY	0.4941, 0.2274, 0.1372
CMYK	0.41, 0.10, 0.00, 0.14
HSL	195°, 57%, 68%
HSV	195°, 41%, 86%
XYZ	41.9378, 49.7669, 75.1058
YIQ	179.2900, -47.9110, -7.2630

Conversions

Conversions Part 2

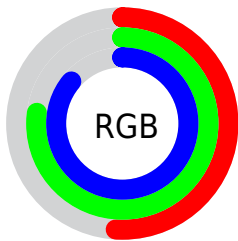
Format	Color
R _{YB}	129, 168, 220
Decimal	8504796
CIE _{Lab}	75.93, -15.58, -18.22
CIE _{LCh}	76, 23.974, 229.461
Yxy	49.7669, 0.2514, 0.2983
Android (android.graphics.Color)	4286694876 (0xFF81C5DC)
YUV	179.2900, 20.0700, -44.1043
Hunter-Lab	70.5457, -17.3407, -13.7406

Details

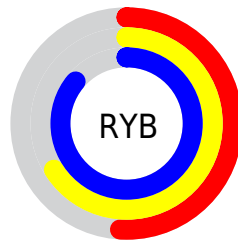
The XYZ color **41.9378, 49.7669, 75.1058** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.7070, 39.2582, 25.9917**, and the grayscale version is **42.9183, 45.1534, 49.1720**.

A 20% lighter version of the original color is **73.4994, 88.4179, 107.8003**, and **19.3616, 23.7780, 39.1665** is the 20% darker color. If you saturate the color by 10%, you get **37.7099, 45.7486, 74.5539**, and if you desaturate by 10%, it is **46.9347, 54.2531, 75.7092**.

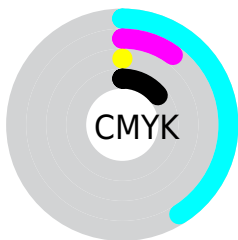
Distribution



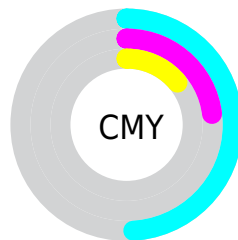
- Red (51%)
- Green (77%)
- Blue (86%)



- Red (51%)
- Yellow (66%)
- Blue (86%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)



- Cyan (49%)
- Magenta (23%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9378, 49.7669, 75.1058 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 41.9378, 49.7669, 75.1058 by changing the saturation by 10% instead.

■ 41.9378, 49.7669,
75.1058

■ 41.9378, 49.7669,
75.1058

345.2210,
385.7537, 497.5463

■ 29.2435, 35.2282,
55.1973

■ 77.3712, 89.8294,
128.2106

■ 19.4103, 23.8387,
39.1601

■ 100.8411,
116.1220, 162.2440

■ 12.0729, 15.2140,
26.5755

■ 128.6334,
147.1014, 201.8227

■ 6.8659, 8.9697,
17.0250

161.1137,
183.1520, 247.3654

■ 3.4240, 4.7214,
10.0902

198.6473,
224.6581, 299.2906

■ 1.3817, 2.0848,
5.3524

241.5994,

■ 0.2431, 0.6560,

272.0041, 358.0168

2.3932

290.3356,
325.5745, 423.9625

■ 0.0000, 0.0000,
0.7827

■ 0.0000, 0.0000,
0.0000

■ 41.9378, 49.7669,
75.1058

■ 41.9378, 49.7669,
75.1058

■ 37.7099, 45.7486,
74.5539

■ 46.9347, 54.2531,
75.7092

■ 34.1994, 42.1673,
74.0477

■ 52.7391, 59.2242,
76.3628

■ 31.3551, 38.9972,
73.5857

■ 59.3920, 64.7033,
77.0698

■ 29.1168, 36.2064,
73.1650

■ 66.9304, 70.7103,
77.8319

■ 27.4127, 33.7571,
72.7820

■ 75.3890, 77.2636,
78.6510

■ 26.2655, 31.8615,
72.4766

■ 82.5568, 83.2240,
79.4237

■ 84.1322, 86.3749,
79.9488

■ 85.7574, 89.6253,
80.4906

■ 87.4330, 92.9764,
81.0491

Harmonies

Analogous

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



39.6594, 49.7669, 62.8000



41.9378, 49.7669, 75.1058



45.7488, 49.7669, 82.1364

Triad

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



41.9378, 49.7669, 75.1058



56.2554, 49.7669, 58.8110



44.4986, 49.7669, 34.1519

Complementary

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



41.9378, 49.7669, 75.1058



44.7070, 39.2582, 25.9917

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.



48.8899, 49.7669, 33.4294



41.9378, 49.7669, 75.1058



55.8682, 49.7669, 46.4011

Square

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



41.9378, 49.7669, 75.1058



54.1317, 49.7669, 71.7934



53.1050, 49.7669, 37.5661



41.0722, 49.7669, 39.7248

Rectangle

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



41.9378, 49.7669, 75.1058



48.7274, 49.7669, 82.2425



53.1050, 49.7669, 37.5661



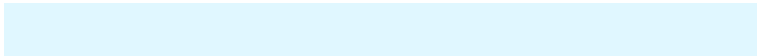
45.9046, 49.7669, 33.3711

Sweetspot

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



41.9393, 49.7688, 75.1070



82.2569, 89.8158, 107.6085



40.2948, 58.1135, 38.6933



17.3319, 19.0011, 23.0040



0.0000, 0.0000, 0.0000



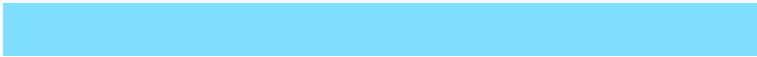
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9393, 49.7688, 75.1070



53.2050, 64.4265, 104.2391



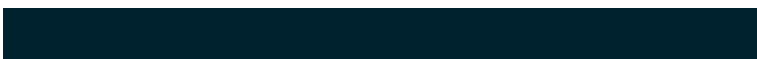
33.1606, 32.2114, 72.1807



13.1518, 14.2432, 16.7082



15.5079, 18.8853, 42.5663



1.0718, 1.3577, 2.7800

Inverse Universe

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



47.4448, 34.9489, 57.0705



62.1833, 41.8839, 74.4611



53.5019, 56.8480, 28.9233



13.4665, 13.2157, 15.7176



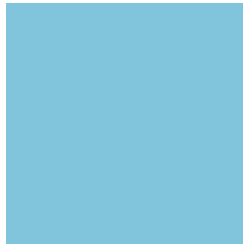
21.3230, 10.5302, 21.8788



1.4153, 0.6958, 1.5958

Previews

White Background



This preview shows how the XYZ color 41.9378, 49.7669, 75.1058 looks on a white background.

Color Contrast Check

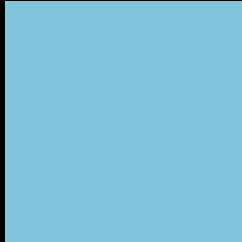
Large Text (above 18pt) WCAG AA × Fail

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 41.9378, 49.7669, 75.1058 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 41.9378, 49.7669, 75.1058

Background



This preview shows how black text looks on a background with the XYZ color 41.9378, 49.7669, 75.1058.



This preview shows how white text looks on a background with the XYZ color 41.9378, 49.7669,

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

41.9378, 49.7669, 75.1058

Protanopia

48.5240, 49.3965, 69.2643

Deuteranopia

50.2969, 49.2227, 76.6620



Tritanopia

41.0841, 49.7552, 71.0567

Trichromacy



Original Color

41.9378, 49.7669, 75.1058

Protanomaly

45.5676, 49.0880, 71.3632

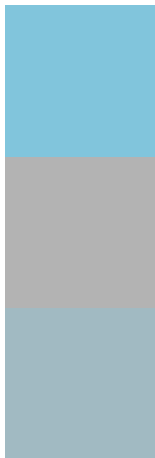
Deuteranomaly

46.4722, 48.8139, 76.0799

Tritanomaly

41.4908, 49.9352, 72.4174

Monochromacy



Original Color

41.9378, 49.7669, 75.1058

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.9945, 46.5899, 57.8183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9378, 49.7669, 75.1058 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(129, 197, 220)` looks like.

```
.text, #text, p{  
    color:rgb(129, 197, 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(129, 197, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 197, 220) }
```

Border

The CSS property to change the border of an element to XYZ 41.9378, 49.7669, 75.1058 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(129, 197, 220) }
```


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

```
.border{ border-color:rgb(129, 197, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 197, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 197, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 197, 220); box-shadow:4px 4px 4px 4px rgb(129, 197, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9378, 49.7669, 75.1058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 197, 220) }
```

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

```
.background{ background-color: rgb(129,  
197, 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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