

Converting Colors

XYZ(42.0648, 51.5459, 75.4425)

Have a look what the booklet for
XYZ(42.0648, 51.5459, 75.4425)
contains.

XYZ(42.0648, 51.5459, 75.4425)	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(42.0648, 51.5459,
75.4425)**

Conversions

Conversions Part 1

Format	Color
Hex	7ACADC
RGB	122, 202, 220
RGB Percent	48%, 79%, 86%
CMY	0.5216, 0.2078, 0.1372
CMYK	0.45, 0.08, 0.00, 0.14
HSL	191°, 58%, 67%
HSV	191°, 45%, 86%
XYZ	42.0648, 51.5459, 75.4425
YIQ	180.1320, -53.4580, -11.3620

Conversions

Conversions Part 2

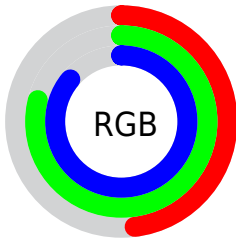
Format	Color
RYB	122, 166, 220
Decimal	8047324
CIELab	77.01, -19.86, -16.62
CIELCh	77, 25.899, 219.912
Yxy	51.5459, 0.2488, 0.3049
Android (android.graphics.Color)	4286237404 (0xFF7ACADC)
YUV	180.1320, 19.6549, -50.9818
Hunter-Lab	71.7955, -21.0593, -12.0449

Details

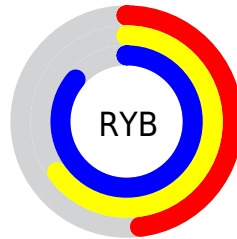
The XYZ color **42.0648, 51.5459, 75.4425** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.4071, 35.3779, 23.0072**, and the grayscale version is **43.3729, 45.6317, 49.6929**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **19.4958, 24.9864, 39.3926** is the 20% darker color. If you saturate the color by 10%, you get **38.3600, 48.2481, 75.0021**, and if you desaturate by 10%, it is **46.5027, 55.2608, 75.9266**.

Distribution



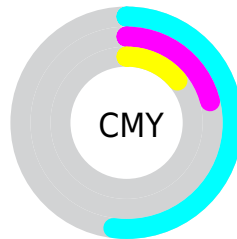
- Red (48%)
- Green (79%)
- Blue (86%)



- Red (48%)
- Yellow (65%)
- Blue (86%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (14%)



- Cyan (52%)
- Magenta (21%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0648, 51.5459, 75.4425 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 42.0648, 51.5459, 75.4425 by changing the saturation by 10% instead.

42.0648, 51.5459,
75.4425

42.0648, 51.5459,
75.4425

345.7385,
392.6810, 498.7331

29.3434, 36.6432,
55.4716

77.5622, 92.4612,
128.6914

19.4863, 24.9314,
39.3783

101.0689,
119.2426, 162.8064

12.1283, 16.0259,
26.7440

128.9015,
150.7524, 202.4733

6.9039, 9.5425,
17.1503

161.4251,
187.3750, 248.1104

3.4479, 5.0967,
10.1786

199.0053,
229.4948, 300.1364

1.3948, 2.3041,
5.4104

242.0074,

0.2525, 0.7759,

277.4961, 358.9699

2.4271

290.7967,
331.7634, 425.0292

■ 0.0000, 0.0000,
0.8011

■ 0.0000, 0.0000,
0.0000

■ 42.0648, 51.5459,
75.4425

■ 42.0648, 51.5459,
75.4425

■ 38.3600, 48.2481,
75.0021

■ 46.5027, 55.2608,
75.9266

■ 35.3352, 45.3362,
74.5995


■ 51.7127, 59.4097,
76.4528


■ 32.9374, 42.7840,
74.2333


■ 57.7368, 64.0157,
77.0243


■ 31.1037, 40.5585,
73.9003

■ 64.6124, 69.0983,
77.6430


 29.7573, 38.6199,
73.5971


 72.3747, 74.6760,
78.3105

 29.1583, 37.6471,
73.4409

 81.0567, 80.7660,
79.0284

 82.5352, 83.1809,
79.4165

 83.6746, 85.4597,
79.7963

 84.8402, 87.7910,
80.1849

Harmonies

Analogous

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



40.2221, 51.5459, 60.9370



42.0648, 51.5459, 75.4425



45.8035, 51.5459, 85.7331

Triad

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



42.0648, 51.5459, 75.4425



58.4622, 51.5459, 65.9921



47.3765, 51.5459, 33.3733

Complementary

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



42.0648, 51.5459, 75.4425



42.4071, 35.3779, 23.0072

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.



52.3269, 51.5459, 34.2638



42.0648, 51.5459, 75.4425



58.9540, 51.5459, 51.5727

Square

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



42.0648, 51.5459, 75.4425



55.3410, 51.5459, 79.6731



56.6426, 51.5459, 40.4228



43.1497, 51.5459, 37.7440

Rectangle

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



42.0648, 51.5459, 75.4425



48.9783, 51.5459, 87.9459



56.6426, 51.5459, 40.4228



49.0074, 51.5459, 33.0871

Sweetspot

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



42.0664, 51.5479, 75.4437



81.9767, 90.4227, 107.7404



38.3516, 57.2176, 33.8222



17.1157, 19.0309, 23.0212



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.



42.0664, 51.5479, 75.4437



54.1215, 67.8954, 104.8604



32.3423, 32.0997, 72.2023



13.2310, 14.4017, 16.7346



17.1883, 22.2461, 43.1264



1.1675, 1.5490, 2.8119

Inverse Universe

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



47.1367, 33.4004, 59.8417



62.2465, 40.3801, 79.5078



51.2196, 53.0029, 25.9447



13.5064, 13.2317, 15.9282



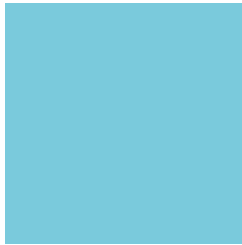
22.1712, 10.8695, 26.3453



1.4636, 0.7151, 1.8501

Previews

White Background



This preview shows how the XYZ color 42.0648, 51.5459, 75.4425 looks on a white background.

Color Contrast Check

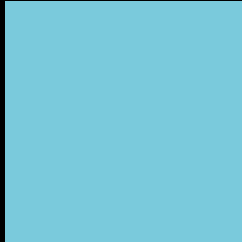
Large Text (above 18pt) WCAG AA × Fail

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 42.0648, 51.5459, 75.4425 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

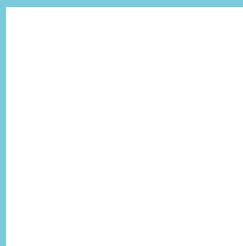
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0648, 51.5459, 75.4425

Background



This preview shows how black text looks on a background with the XYZ color 42.0648, 51.5459, 75.4425.



This preview shows how white text looks on a background with the XYZ color 42.0648, 51.5459,

75.4425.

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

42.0648, 51.5459, 75.4425

Protanopia

49.9908, 51.1087, 68.8582

Deuteranopia

52.2894, 51.1561, 77.6392



Tritanopia

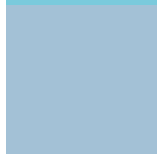
41.9328, 51.4931, 74.7469

Trichromacy



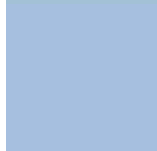
Original Color

42.0648, 51.5459, 75.4425



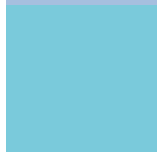
Protanomaly

46.3118, 50.7815, 70.9792



Deuteranomaly

47.6760, 50.6963, 77.0846



Tritanomaly

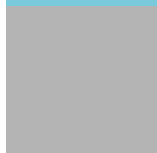
41.9328, 51.4931, 74.7469

Monochromacy



Original Color

42.0648, 51.5459, 75.4425



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

42.1316, 47.2775, 58.5347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0648, 51.5459, 75.4425 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(122, 202, 220)` looks like.

```
.text, #text, p{  
    color:rgb(122, 202, 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(122, 202, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 202, 220) }
```

Border

The CSS property to change the border of an element to XYZ 42.0648, 51.5459, 75.4425 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(122, 202, 220) }
```


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

```
.border{ border-color:rgb(122, 202, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 202, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 202, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 202, 220);  
box-shadow:4px 4px 4px 4px rgb(122, 202,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0648, 51.5459, 75.4425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 202, 220) }
```

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

```
.background{ background-color: rgb(122,  
202, 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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