

Converting Colors

XYZ(40.1775, 50.0176, 76.3822)

Have a look what the booklet for
XYZ(40.1775, 50.0176, 76.3822)
contains.

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Color

**XYZ(40.1458, 49.8337,
76.6102)**

Conversions

Conversions Part 1

Format	Color
Hex	6DC8DE
RGB	109, 200, 222
RGB Percent	43%, 78%, 87%
CMY	0.5725, 0.2157, 0.1294
CMYK	0.51, 0.10, 0.00, 0.13
HSL	192°, 63%, 65%
HSV	192°, 51%, 87%
XYZ	40.1458, 49.8337, 76.6102
YIQ	175.2990, -61.2980, -12.4500

Conversions

Conversions Part 2

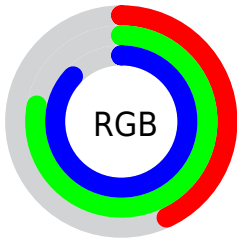
Format	Color
RYB	109, 159, 222
Decimal	7194846
CIELab	75.97, -21.26, -19.32
CIELCh	76, 28.728, 222.263
Yxy	49.8337, 0.2410, 0.2991
Android (android.graphics.Color)	4285384926 (0xFF6DC8DE)
YUV	175.2990, 23.0236, -58.1442
Hunter-Lab	70.5930, -22.0259, -14.9287

Details

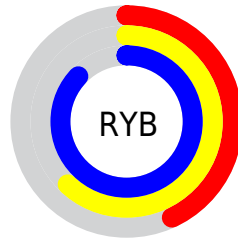
The XYZ color **40.1458, 49.8337, 76.6102** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **41.0020, 32.8676, 18.6526**, and the grayscale version is **40.8111, 42.9364, 46.7577**.

A 20% lighter version of the original color is **69.7463, 86.9555, 107.7158**, and **18.3806, 23.9286, 40.2091** is the 20% darker color. If you saturate the color by 10%, you get **36.7654, 46.6271, 76.1703**, and if you desaturate by 10%, it is **44.2472, 53.4562, 77.0941**.

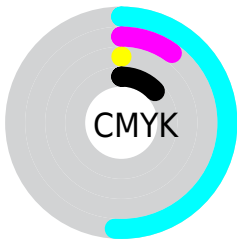
Distribution



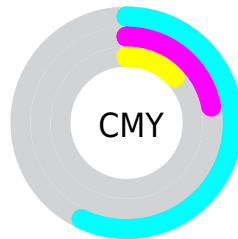
- Red (43%)
- Green (78%)
- Blue (87%)



- Red (43%)
- Yellow (62%)
- Blue (87%)



- Cyan (51%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (57%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1458, 49.8337, 76.6102 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 40.1458, 49.8337, 76.6102 by changing the saturation by 10% instead.

■ 40.1458, 49.8337,
76.6102

■ 40.1458, 49.8337,
76.6102

337.8616,
386.0153, 502.8363

■ 27.8370, 35.2813,
56.4234

■ 74.6684, 89.9284,
130.3571

■ 18.3426, 23.8796,
40.1362

■ 97.6129, 116.2395,
164.7542

■ 11.2974, 15.2444,
27.3301

■ 124.8333,
147.2390, 204.7251

■ 6.3360, 8.9911,
17.5867

156.6950,
183.3112, 250.6884

■ 3.0931, 4.7354,
10.4873

193.5633,
224.8405, 303.0627

■ 1.2032, 2.0928,
5.6134

235.8036,

■ 0.1089, 0.6606,

272.2114, 362.2664

2.5465

283.7812,
325.8081, 428.7181

■ 0.0000, 0.0000,
0.8647

■ 0.0000, 0.0000,
0.0000

■ 40.1458, 49.8337,
76.6102

■ 40.1458, 49.8337,
76.6102

■ 36.7654, 46.6271,
76.1703

■ 44.2472, 53.4562,
77.0941

■ 34.0482, 43.8029,
75.7684

■ 49.1126, 57.5138,
77.6209

■ 31.9347, 41.3313,
75.4028

■ 54.7870, 62.0311,
78.1938

■ 30.3525, 39.1746,
75.0698

■ 61.3105, 67.0293,
78.8147

■ 29.2614, 37.4268,
74.7900

■ 68.7206, 72.5277,
79.4854

■ 77.0524, 78.5450,
80.2078

■ 82.7933, 83.2706,
80.8173

■ 84.0128, 85.7097,
81.2238

■ 85.2624, 88.2088,
81.6403

Harmonies

Analogous

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



37.9983, 49.8337, 60.7689



40.1458, 49.8337, 76.6102



44.2970, 49.8337, 87.4772

Triad

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



40.1458, 49.8337, 76.6102



57.8664, 49.8337, 63.7501



45.2116, 49.8337, 30.2422

Complementary

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



40.1458, 49.8337, 76.6102



41.0020, 32.8676, 18.6526

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.



50.5724, 49.8337, 30.7386



40.1458, 49.8337, 76.6102



58.1578, 49.8337, 48.2341

Square

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



40.1458, 49.8337, 76.6102



54.6342, 49.8337, 79.1439



55.4026, 49.8337, 36.7444



40.7718, 49.8337, 35.2300

Rectangle

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



40.1458, 49.8337, 76.6102



47.7733, 49.8337, 89.3868



55.4026, 49.8337, 36.7444



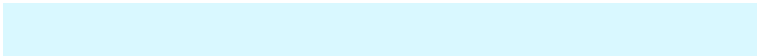
46.9599, 49.8337, 29.8042

Sweetspot

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



40.1474, 49.8356, 76.6114



80.0213, 88.7940, 107.5291



36.4396, 57.0990, 30.1218



16.7234, 18.6953, 22.9771



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.



40.1474, 49.8356, 76.6114



50.0938, 63.5958, 104.2427



29.5853, 28.7115, 73.0907



13.8780, 15.0951, 17.5699



17.4593, 22.3882, 44.4495



1.2689, 1.6693, 3.1006

Inverse Universe

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



46.0195, 30.6385, 58.1339



59.2967, 35.6900, 74.7958



50.4904, 51.8443, 21.8154



14.1746, 13.8875, 16.6898



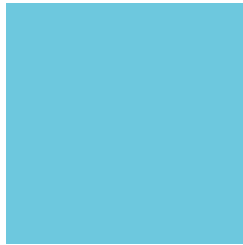
22.7529, 11.1682, 26.4281



1.6068, 0.7860, 1.9880

Previews

White Background



This preview shows how the XYZ color 40.1458, 49.8337, 76.6102 looks on a white background.

Color Contrast Check

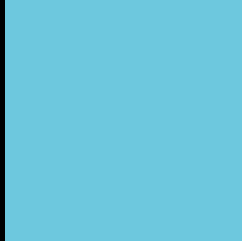
Large Text (above 18pt) WCAG AA × Fail

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 40.1458, 49.8337, 76.6102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

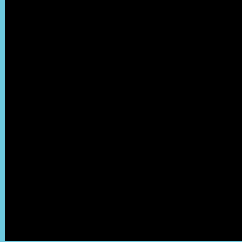
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1458, 49.8337, 76.6102

Background



This preview shows how black text looks on a background with the XYZ color 40.1458, 49.8337, 76.6102.



This preview shows how white text looks on a background with the XYZ color 40.1458, 49.8337,

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

40.1458, 49.8337, 76.6102

Protanopia

48.5240, 49.3965, 69.2643

Deuteranopia

50.4630, 49.2612, 78.8002



Tritanopia

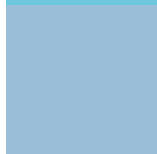
39.4744, 49.9088, 73.1985

Trichromacy



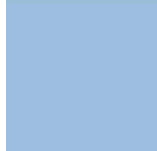
Original Color

40.1458, 49.8337, 76.6102



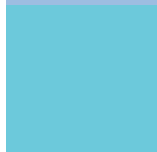
Protanomaly

44.3257, 48.7533, 72.0399



Deuteranomaly

45.6928, 48.9995, 78.2837



Tritanomaly

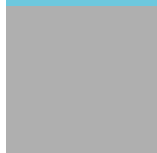
39.8572, 50.0759, 74.5828

Monochromacy



Original Color

40.1458, 49.8337, 76.6102



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

39.4174, 44.6661, 56.4131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1458, 49.8337, 76.6102 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(109, 200, 222)` looks like.

```
.text, #text, p{  
    color:rgb(109, 200, 222)  
}
```

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(109, 200, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 200, 222) }
```

Border

The CSS property to change the border of an element to XYZ 40.1458, 49.8337, 76.6102 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(109, 200, 222) }
```


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

```
.border{ border-color:rgb(109, 200, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 200, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 200, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 200, 222);  
box-shadow:4px 4px 4px 4px rgb(109, 200,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1458, 49.8337, 76.6102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 200, 222) }
```

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

```
.background{ background-color: rgb(109,  
200, 222) }
```

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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