

Converting Colors

XYZ(36.7263, 48.8938, 48.6632)

Have a look what the booklet for
XYZ(36.7263, 48.8938, 48.6632)
contains.

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Color

**XYZ(36.7492, 49.0455,
48.6041)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC9B0
RGB	122, 201, 176
RGB Percent	48%, 79%, 69%
CMY	0.5216, 0.2117, 0.3098
CMYK	0.39, 0.00, 0.12, 0.21
HSL	161°, 42%, 63%
HSV	161°, 39%, 79%
XYZ	36.7492, 49.0455, 48.6041
YIQ	174.5290, -39.0590, -24.5230

Conversions

Conversions Part 2

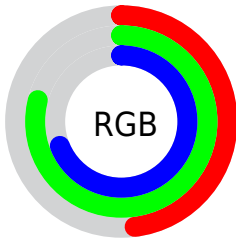
Format	Color
RYB	122, 169, 201
Decimal	8047024
CIELab	75.48, -30.05, 4.87
CIELCh	75, 30.445, 170.790
Yxy	49.0455, 0.2734, 0.3649
Android (android.graphics.Color)	4286237104 (0xFF7AC9B0)
YUV	174.5290, 0.7252, -46.0679
Hunter-Lab	70.0325, -28.8899, 7.8742

Details

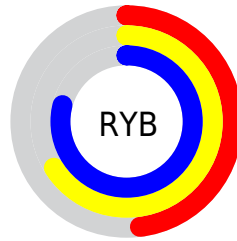
The XYZ color **36.7492, 49.0455, 48.6041** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.3151, 28.4445, 31.1821**, and the grayscale version is **40.5163, 42.6263, 46.4200**.

A 20% lighter version of the original color is **68.4570, 86.6933, 89.4694**, and **16.4557, 23.5516, 22.7474** is the 20% darker color. If you saturate the color by 10%, you get **33.5776, 47.4828, 45.2473**, and if you desaturate by 10%, it is **40.5416, 50.9274, 52.1460**.

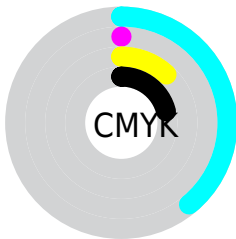
Distribution



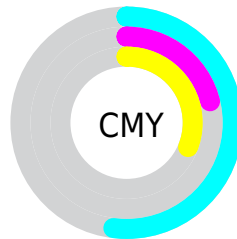
- Red (48%)
- Green (79%)
- Blue (69%)



- Red (48%)
- Yellow (66%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)



- Cyan (52%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7492, 49.0455, 48.6041 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 36.7492, 49.0455, 48.6041 by changing the saturation by 10% instead.

■ 36.7492, 49.0455,
48.6041

■ 36.7492, 49.0455,
48.6041

323.5978,
382.9214, 397.7592

■ 25.1862, 34.6556,
33.9421

■ 69.5032, 88.7590,
89.4781

■ 16.3453, 23.3977,
22.5722

■ 91.4249, 114.8514,
116.5272

■ 9.8612, 14.8874,
14.0756

■ 117.5302,
145.6134, 148.5424

■ 5.3686, 8.7404,
8.0339

148.1844,
181.4294, 185.9422

■ 2.5021, 4.5723,
4.0286

183.7529,
222.6838, 229.1453

■ 0.8963, 1.9985,
1.6410

224.6011,

■ 0.0000, 0.6066,

269.7610, 278.5702

0.3198

271.0943,
323.0454, 334.6353

■ 0.0000, 0.0000,
0.0000

■ 36.7492, 49.0455,
48.6041

■ 36.7492, 49.0455,
48.6041

■ 33.5776, 47.4828,
45.2473

■ 40.5416, 50.9274,
52.1460

■ 30.9859, 46.2144,
42.0686

■ 44.9846, 53.1399,
55.8734

■ 28.9342, 45.2211,
39.0649


■ 50.1108, 55.7012,
59.7908


■ 27.3761, 44.4789,
36.2319


■ 55.9495, 58.6262,
63.9016


■ 26.2564, 43.9596,
33.5648


■ 62.5281, 61.9291,
68.2089

 25.4804, 43.6142,
31.0569

 69.8728, 65.6233,
72.7159

 25.4309, 43.5924,
30.8877

 75.1163, 68.2306,
77.2903

 75.9778, 68.5752,
81.8272

 76.8718, 68.9328,
86.5349

Harmonies

Analogous

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



38.7401, 49.0455, 36.1413



36.7492, 49.0455, 48.6041



37.2325, 49.0455, 65.1481

Triad

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



36.7492, 49.0455, 48.6041



50.5550, 49.0455, 87.8444



53.7810, 49.0455, 32.8458

Complementary

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



36.7492, 49.0455, 48.6041



36.3151, 28.4445, 31.1821

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.



57.4574, 49.0455, 43.1604



36.7492, 49.0455, 48.6041



55.4935, 49.0455, 75.4341

Square

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



36.7492, 49.0455, 48.6041



44.9093, 49.0455, 90.1142



58.1081, 49.0455, 58.5061



48.3659, 49.0455, 28.3232

Rectangle

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



36.7492, 49.0455, 48.6041



38.9096, 49.0455, 76.2599



58.1081, 49.0455, 58.5061



55.2787, 49.0455, 35.6399

Sweetspot

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



36.7506, 49.0475, 48.6052



83.1543, 94.0432, 100.4086



36.4367, 49.3851, 26.0251



17.5447, 20.0023, 21.3000



0.0000, 0.0000, 0.0000



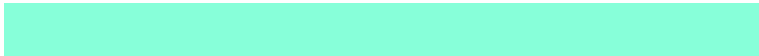
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7506, 49.0475, 48.6052



58.3093, 81.6967, 78.3891



36.2382, 43.6924, 61.7842



10.7983, 12.0082, 12.8882



16.0324, 27.4253, 19.6469



0.7909, 1.3113, 1.0976

Inverse Universe

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



36.3151, 28.4445, 31.1821



57.4755, 41.6501, 44.5858



36.4742, 31.5688, 22.5842



10.7699, 10.6913, 11.7714



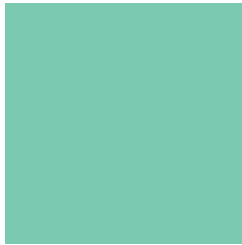
15.7572, 8.0524, 3.9314



0.7793, 0.3946, 0.3608

Previews

White Background



This preview shows how the XYZ color 36.7492, 49.0455, 48.6041 looks on a white background.

Color Contrast Check

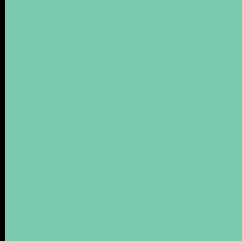
Large Text (above 18pt) WCAG AA × Fail

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 36.7492, 49.0455, 48.6041 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 36.7492, 49.0455, 48.6041

Background



This preview shows how black text looks on a background with the XYZ color 36.7492, 49.0455, 48.6041.



This preview shows how white text looks on a background with the XYZ color 36.7492, 49.0455,

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

36.7492, 49.0455, 48.6041

Protanopia

45.8538, 48.2775, 43.4609

Deuteranopia

49.3624, 48.4138, 50.4592



Tritanopia

40.9837, 49.0586, 69.5965

Trichromacy



Original Color

36.7492, 49.0455, 48.6041

Protanomaly

41.6055, 47.9447, 45.0916

Deuteranomaly

43.3626, 47.7940, 49.5875

Tritanomaly

39.4050, 49.1009, 61.4334

Monochromacy



Original Color

36.7492, 49.0455, 48.6041

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

38.5887, 44.4440, 47.1022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7492, 49.0455, 48.6041 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, 201, 176)` looks like.

```
.text, #text, p{  
    color:rgb(122, 201, 176)  
}
```

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, 201, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 201, 176) }
```

Border

The CSS property to change the border of an element to XYZ 36.7492, 49.0455, 48.6041 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, 201, 176) }
```


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

```
.border{ border-color:rgb(122, 201, 176) }
```

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

Here you see how a box with a 4 pixel rgb(122, 201, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 201, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 201, 176);  
box-shadow:4px 4px 4px 4px rgb(122, 201,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7492, 49.0455, 48.6041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 201, 176) }
```

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

```
.background{ background-color: rgb(122,  
201, 176) }
```

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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