

Converting Colors

XYZ(36.8136, 52.3396, 45.6926)

Have a look what the booklet for
XYZ(36.8136, 52.3396, 45.6926)
contains.

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Color

**XYZ(36.8901, 52.4025,
45.7065)**

Conversions

Conversions Part 1

Format	Color
Hex	70D2A9
RGB	112, 210, 169
RGB Percent	44%, 82%, 66%
CMY	0.5608, 0.1765, 0.3372
CMYK	0.47, 0.00, 0.20, 0.18
HSL	155°, 52%, 63%
HSV	155°, 47%, 82%
XYZ	36.8901, 52.4025, 45.7065
YIQ	176.0240, -45.2470, -33.5270

Conversions

Conversions Part 2

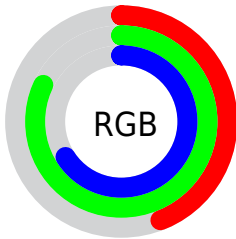
Format	Color
RYB	112, 174, 210
Decimal	7393961
CIELab	77.52, -38.39, 11.49
CIELCh	78, 40.070, 163.333
Yxy	52.4025, 0.2733, 0.3882
Android (android.graphics.Color)	4285584041 (0xFF70D2A9)
YUV	176.0240, -3.4628, -56.1490
Hunter-Lab	72.3896, -35.7172, 13.2372

Details

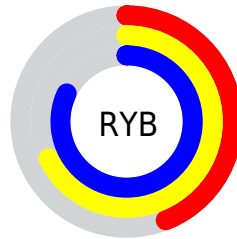
The XYZ color **36.8901, 52.4025, 45.7065** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.1240, 27.5911, 33.4552**, and the grayscale version is **41.3149, 43.4665, 47.3350**.

A 20% lighter version of the original color is **65.5767, 85.3368, 83.5364**, and **16.4536, 25.5113, 20.8866** is the 20% darker color. If you saturate the color by 10%, you get **33.7262, 50.8649, 41.3970**, and if you desaturate by 10%, it is **40.7354, 54.2877, 50.3395**.

Distribution



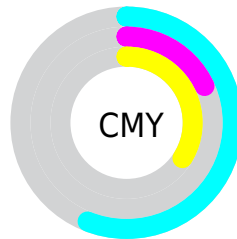
- Red (44%)
- Green (82%)
- Blue (66%)



- Red (44%)
- Yellow (68%)
- Blue (82%)



- Cyan (47%)
- Magenta (0%)
- Yellow (20%)
- Black (18%)





- Cyan (56%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8901, 52.4025, 45.7065 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 36.8901, 52.4025, 45.7065 by changing the saturation by 10% instead.


 36.8901, 52.4025,
45.7065


 36.8901, 52.4025,
45.7065


324.1983,
395.9885, 385.8707


 25.2957, 37.3260,
31.6673


 69.7187, 93.7246,
85.1092

 16.4274, 25.4600,
20.8448


 91.6835, 120.7389,
111.3098

 9.9199, 16.4201,
12.8205


 117.8359,
152.5014, 142.4013

 5.4077, 9.8219,
7.1758

148.5412,
189.3963, 178.8022

 2.5256, 5.2810,
3.4921

184.1647,
231.8081, 220.9310

 0.9082, 2.4131,
1.3511

225.0718,

 0.0000, 0.8326,

280.1211, 269.2063

0.1031

271.6279,
334.7198, 324.0467

■ 0.0000, 0.0000,
0.0000

■ 36.8901, 52.4025,
45.7065

■ 36.8901, 52.4025,
45.7065

■ 33.7262, 50.8649,
41.3970

■ 40.7354, 54.2877,
50.3395

■ 31.1943, 49.6456,
37.3998

■ 45.2987, 56.5351,
55.2999

■ 29.2452, 48.7204,
33.7077


■ 50.6187, 59.1659,
60.5959


■ 27.8196, 48.0592,
30.3121

■ 56.7302, 62.1980,
66.2343


■ 26.8414, 47.6227,
27.2032


■ 63.6658, 65.6481,
72.2218

 26.5692, 47.5037,
26.2273

 71.4562, 69.5319,
78.5647

 78.6415, 73.0967,
85.1995

 79.9106, 73.6043,
91.8825

 81.2428, 74.1372,
98.8979

Harmonies

Analogous

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



40.2938, 52.4025, 31.3726



36.8901, 52.4025, 45.7065



36.7074, 52.4025, 67.4403

Triad

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



36.8901, 52.4025, 45.7065



53.3115, 52.4025, 109.2635



61.4105, 52.4025, 32.5615

Complementary

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



36.8901, 52.4025, 45.7065



38.1240, 27.5911, 33.4552

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.



65.7024, 52.4025, 47.7990



36.8901, 52.4025, 45.7065



60.7108, 52.4025, 93.9276

Square

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



36.8901, 52.4025, 45.7065



45.6675, 52.4025, 108.2790



65.4338, 52.4025, 70.1473



54.1894, 52.4025, 25.2385

Rectangle

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



36.8901, 52.4025, 45.7065



38.3997, 52.4025, 83.7695



65.4338, 52.4025, 70.1473



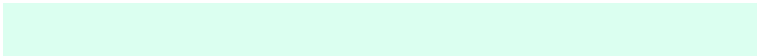
63.2755, 52.4025, 36.7293

Sweetspot

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



36.8915, 52.4046, 45.7077



80.8014, 92.9217, 96.1647



39.3883, 54.1812, 23.7120



16.8729, 19.6800, 20.1836



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.



36.8915, 52.4046, 45.7077



52.3468, 78.9296, 64.2570



39.7829, 51.0326, 68.7288



11.9405, 13.3199, 14.0429



16.2573, 28.9959, 16.2670



0.9481, 1.6369, 1.1155

Inverse Universe

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



38.1240, 27.5911, 33.4552



54.4974, 35.8690, 43.0531



36.0459, 27.9555, 18.8261



12.0110, 11.8891, 13.3335



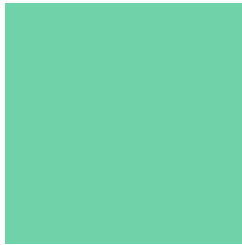
17.3310, 8.8052, 6.6492



1.0082, 0.5080, 0.5781

Previews

White Background



This preview shows how the XYZ color 36.8901, 52.4025, 45.7065 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 36.8901, 52.4025, 45.7065 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

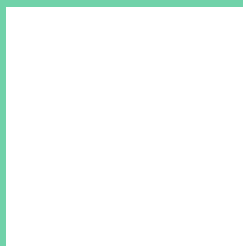
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8901, 52.4025, 45.7065

Background



This preview shows how black text looks on a background with the XYZ color 36.8901, 52.4025, 45.7065.



This preview shows how white text looks on a background with the XYZ color 36.8901, 52.4025,

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

36.8901, 52.4025, 45.7065

Protanopia

48.7589, 51.7476, 40.2193

Deuteranopia

52.9027, 51.8232, 47.7720



Tritanopia

42.5996, 52.1863, 74.8456

Trichromacy



Original Color

36.8901, 52.4025, 45.7065



Protanomaly

42.9393, 51.0119, 42.2335



Deuteranomaly

44.9729, 50.6220, 46.9359



Tritanomaly

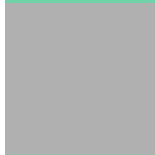
40.3597, 52.3527, 63.2362

Monochromacy



Original Color

36.8901, 52.4025, 45.7065



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.6629, 45.7559, 46.3292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8901, 52.4025, 45.7065 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(112, 210, 169)` looks like.

```
.text, #text, p{  
    color:rgb(112, 210, 169)  
}
```

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(112, 210, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 210, 169) }
```

Border

The CSS property to change the border of an element to XYZ 36.8901, 52.4025, 45.7065 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(112, 210, 169) }
```


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

```
.border{ border-color:rgb(112, 210, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 210, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 210, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 210, 169);  
box-shadow:4px 4px 4px 4px rgb(112, 210,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8901, 52.4025, 45.7065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 210, 169) }
```

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

```
.background{ background-color: rgb(112,  
210, 169) }
```

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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