

Converting Colors

XYZ(45.3297, 52.5206, 71.5020)

Have a look what the booklet for
XYZ(45.3297, 52.5206, 71.5020)
contains.

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Color

**XYZ(45.3696, 52.6476,
71.3891)**

Conversions

Conversions Part 1

Format	Color
Hex	96C8D6
RGB	150, 200, 214
RGB Percent	59%, 78%, 84%
CMY	0.4118, 0.2157, 0.1608
CMYK	0.30, 0.07, 0.00, 0.16
HSL	193°, 44%, 71%
HSV	193°, 30%, 84%
XYZ	45.3696, 52.6476, 71.3891
YIQ	186.6460, -34.2940, -6.2460

Conversions

Conversions Part 2

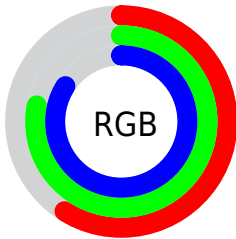
Format	Color
R_{YB}	150, 178, 214
Decimal	9881814
CIE _{Lab}	77.67, -12.97, -12.25
CIE _{LCh}	78, 17.846, 223.368
Yxy	52.6476, 0.2678, 0.3108
Android (android.graphics.Color)	4288071894 (0xFF96C8D6)
YUV	186.6460, 13.4855, -32.1385
Hunter-Lab	72.5587, -15.3649, -7.5432

Details

The XYZ color **45.3696, 52.6476, 71.3891** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.5129, 43.0497, 34.7135**, and the grayscale version is **46.9764, 49.4228, 53.8214**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **21.4667, 25.6024, 36.6112** is the 20% darker color. If you saturate the color by 10%, you get **40.7184, 48.6663, 70.8667**, and if you desaturate by 10%, it is **50.7763, 57.0702, 71.9587**.

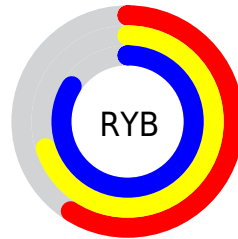
Distribution



Red (59%)

Green (78%)

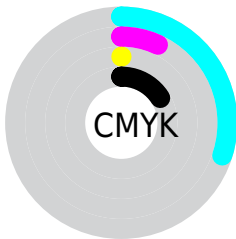
Blue (84%)



Red (59%)

Yellow (70%)

Blue (84%)

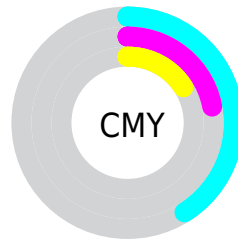


Cyan (30%)

Magenta (7%)

Yellow (0%)

Black (16%)



Cyan (41%)

Magenta (22%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3696, 52.6476, 71.3891 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 45.3696, 52.6476, 71.3891 by changing the saturation by 10% instead.

■ 45.3696, 52.6476,
71.3891

■ 45.3696, 52.6476,
71.3891

359.0270,
396.9316, 484.3327

■ 31.9512, 37.5215,
52.1760

■ 82.5084, 94.0856,
122.8872

■ 21.4796, 25.6115,
36.7622

■ 106.9595,
121.1663, 156.0093

■ 13.5895, 16.5333,
24.7291

135.8188,
153.0007, 194.6049

■ 7.9155, 9.9023,
15.6581

169.4518,
189.9732, 239.0924

■ 4.0923, 5.3342,
9.1308

208.2238,
232.4681, 289.8903

■ 1.7545, 2.4447,
4.7286

252.5000,

■ 0.4900, 0.8487,

280.8699, 347.4174

2.0330

302.6460,
335.5630, 412.0920

■ 0.0000, 0.0000,
0.5755

■ 0.0000, 0.0000,
0.0000

■ 45.3696, 52.6476,
71.3891

■ 45.3696, 52.6476,
71.3891

■ 40.7184, 48.6663,
70.8667

■ 50.7763, 57.0702,
71.9587

■ 36.7785, 45.0993,
70.3858

■ 56.9702, 61.9470,
72.5735

■ 33.5082, 41.9259,
69.9457

■ 63.9869, 67.2981,
73.2366

■ 30.8595, 39.1208,
69.5438

■ 71.8586, 73.1406,
73.9494

■ 28.7775, 36.6554,
69.1777

■ 79.8743, 79.1082,
74.6788

■ 27.1972, 34.4957,
68.8441

■ 81.1453, 81.6501,
75.1024

■ 26.0029, 32.5815,
68.5376

■ 82.4511, 84.2618,
75.5377

■ 25.9922, 32.5640,
68.5348

■ 83.7921, 86.9437,
75.9847

■ 85.1685, 89.6965,
76.4435

Harmonies

Analogous

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



43.8579, 52.6476, 61.8314



45.3696, 52.6476, 71.3891



48.1647, 52.6476, 77.5289

Triad

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



45.3696, 52.6476, 71.3891



56.6710, 52.6476, 62.9373



48.5214, 52.6476, 40.7521

Complementary

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



45.3696, 52.6476, 71.3891



46.5129, 43.0497, 34.7135

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.



51.9633, 52.6476, 40.9756



45.3696, 52.6476, 71.3891



56.7773, 52.6476, 53.0417

Square

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



45.3696, 52.6476, 71.3891



54.7362, 52.6476, 72.2785



55.0203, 52.6476, 45.2399



45.6203, 52.6476, 44.5896

Rectangle

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



45.3696, 52.6476, 71.3891



50.4309, 52.6476, 78.4647



55.0203, 52.6476, 45.2399



49.6511, 52.6476, 40.3693

Sweetspot

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



45.3712, 52.6497, 71.3903



85.5245, 92.7432, 108.0013



43.3143, 57.2538, 43.8284



17.9967, 19.6116, 23.0868



0.0000, 0.0000, 0.0000



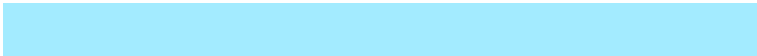
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3712, 52.6497, 71.3903



62.8811, 74.3994, 105.6541



38.7438, 39.3950, 69.1812



12.5510, 13.6255, 15.9060



15.7900, 19.8418, 41.4508



1.0108, 1.3135, 2.5196

Inverse Universe

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



49.0646, 40.2804, 59.8347



69.3568, 53.5191, 85.2125



52.9475, 55.9190, 36.8584



12.8313, 12.5840, 15.0520



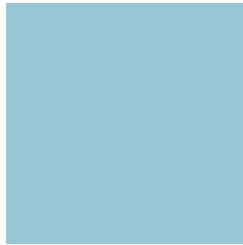
21.0289, 10.3479, 23.2541



1.2978, 0.6359, 1.5578

Previews

White Background



This preview shows how the XYZ color 45.3696, 52.6476, 71.3891 looks on a white background.

Color Contrast Check

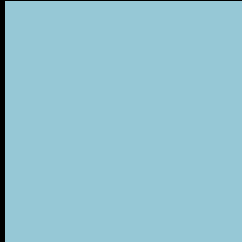
Large Text (above 18pt) WCAG AA × Fail

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 45.3696, 52.6476, 71.3891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

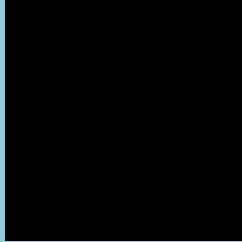
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3696, 52.6476, 71.3891

Background



This preview shows how black text looks on a background with the XYZ color 45.3696, 52.6476, 71.3891.



This preview shows how white text looks on a background with the XYZ color 45.3696, 52.6476,

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

45.3696, 52.6476, 71.3891

Protanopia

51.0338, 52.3281, 67.0851

Deuteranopia

53.3720, 52.1333, 72.8954



Tritanopia

45.6266, 52.7505, 72.7428

Trichromacy



Original Color

45.3696, 52.6476, 71.3891

Protanomaly

48.6038, 52.3507, 68.5158

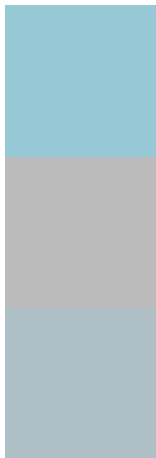
Deuteranomaly

50.0815, 52.0432, 72.3715

Tritanomaly

45.4977, 52.6989, 72.0639

Monochromacy



Original Color

45.3696, 52.6476, 71.3891

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.3832, 50.7292, 60.1704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3696, 52.6476, 71.3891 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(150, 200, 214)` looks like.

```
.text, #text, p{  
    color:rgb(150, 200, 214)  
}
```

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(150, 200, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 200, 214) }
```

Border

The CSS property to change the border of an element to XYZ 45.3696, 52.6476, 71.3891 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(150, 200, 214) }
```


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

```
.border{ border-color:rgb(150, 200, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 200, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 200, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 200, 214);  
box-shadow:4px 4px 4px 4px rgb(150, 200,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3696, 52.6476, 71.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 200, 214) }
```

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

```
.background{ background-color: rgb(150,  
200, 214) }
```

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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