

Converting Colors

XYZ(45.4413, 51.1302, 74.2487)

Have a look what the booklet for
XYZ(45.4413, 51.1302, 74.2487)
contains.

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Color

**XYZ(45.6630, 51.3666,
74.5259)**

Conversions

Conversions Part 1

Format	Color
Hex	99C4DB
RGB	153, 196, 219
RGB Percent	60%, 77%, 86%
CMY	0.4000, 0.2314, 0.1412
CMYK	0.30, 0.11, 0.00, 0.14
HSL	201°, 48%, 73%
HSV	201°, 30%, 86%
XYZ	45.6630, 51.3666, 74.5259
YIQ	185.7650, -33.0110, -1.9630

Conversions

Conversions Part 2

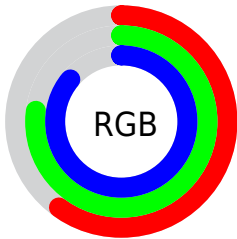
Format	Color
R _{YB}	153, 179, 219
Decimal	10077403
CIE Lab	76.90, -8.83, -16.08
CIE LCh	77, 18.348, 241.230
Yxy	51.3666, 0.2662, 0.2994
Android (android.graphics.Color)	4288267483 (0xFF99C4DB)
YUV	185.7650, 16.3849, -28.7349
Hunter-Lab	71.6705, -11.6967, -11.4828

Details

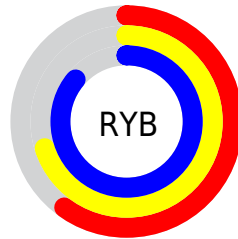
The XYZ color **45.6630, 51.3666, 74.5259** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4894, 48.4113, 36.8216**, and the grayscale version is **46.4664, 48.8863, 53.2372**.

A 20% lighter version of the original color is **79.4698, 91.0259, 107.9890**, and **21.6294, 24.7357, 38.7564** is the 20% darker color. If you saturate the color by 10%, you get **40.2253, 46.0738, 73.7918**, and if you desaturate by 10%, it is **51.9501, 57.2297, 75.3271**.

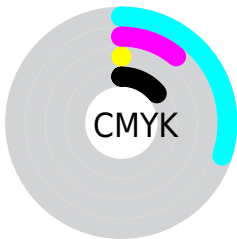
Distribution



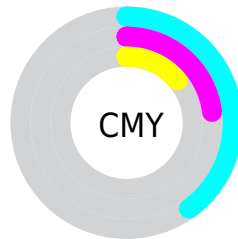
- Red (60%)
- Green (77%)
- Blue (86%)



- Red (60%)
- Yellow (70%)
- Blue (86%)



- Cyan (30%)
- Magenta (11%)
- Yellow (0%)
- Black (14%)



- Cyan (40%)
- Magenta (23%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6630, 51.3666, 74.5259 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 45.6630, 51.3666, 74.5259 by changing the saturation by 10% instead.

■ 45.6630, 51.3666,
74.5259

■ 45.6630, 51.3666,
74.5259

360.1908,
391.9864, 495.4983

■ 32.1835, 36.5004,
54.7252

■ 82.9454, 92.1964,
127.3819

■ 21.6579, 24.8209,
38.7846

■ 107.4789,
118.9289, 161.2744

■ 13.7209, 15.9437,
26.2857

136.4279,
150.3856, 200.7011

■ 8.0072, 9.4843,
16.8098

170.1576,
186.9510, 246.0807

■ 4.1514, 5.0584,
9.9385

209.0333,
229.0093, 297.8316

■ 1.7882, 2.2816,
5.2531

253.4206,

■ 0.5105, 0.7639,

276.9451, 356.3725

2.3352

303.6846,
331.1427, 422.1219

■ 0.0000, 0.0000,
0.7508

■ 0.0000, 0.0000,
0.0000

■ 45.6630, 51.3666,
74.5259

■ 45.6630, 51.3666,
74.5259

■ 40.2253, 46.0738,
73.7918

■ 51.9501, 57.2297,
75.3271

■ 35.5893, 41.3211,
73.1187

■ 59.1214, 63.6793,
76.1940

■ 31.7098, 37.0846,
72.5055

■ 67.2155, 70.7383,
77.1299

■ 28.5347, 33.3353,
71.9491

■ 76.2673, 78.4265,
78.1368

■ 26.0046, 30.0406,
71.4466

■ 83.4948, 85.3114,
79.0848

■ 24.0493, 27.1622,
70.9940

■ 85.7165, 89.7548,
79.8254

■ 22.5620, 24.6659,
70.5906

■ 88.0329, 94.3876,
80.5975

■ 89.7864, 97.8945,
81.1820

Harmonies

Analogous

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



43.3055, 51.3666, 66.4985



45.6630, 51.3666, 74.5259



48.9666, 51.3666, 77.4305

Triad

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



45.6630, 51.3666, 74.5259



55.8442, 51.3666, 55.5180



45.4248, 51.3666, 41.0514

Complementary

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



45.6630, 51.3666, 74.5259



50.4894, 48.4113, 36.8216

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.



48.6785, 51.3666, 38.8300



45.6630, 51.3666, 74.5259



54.7890, 51.3666, 46.5442

Square

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



45.6630, 51.3666, 74.5259



54.9447, 51.3666, 65.6997



52.1243, 51.3666, 40.7166



43.1727, 51.3666, 47.1793

Rectangle

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



45.6630, 51.3666, 74.5259



51.2932, 51.3666, 75.8269



52.1243, 51.3666, 40.7166



46.4323, 51.3666, 39.8582

Sweetspot

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



45.6646, 51.3686, 74.5271



84.6066, 90.9074, 107.6954



46.2075, 60.5316, 49.8072



17.7698, 19.1577, 23.0112



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.



45.6646, 51.3686, 74.5271



59.5860, 67.8091, 104.5557



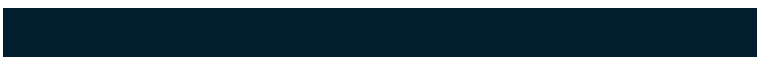
39.1998, 38.4391, 72.3722



13.0431, 14.0260, 16.6720



13.4842, 14.8378, 41.8917



0.9531, 1.1202, 2.7404

Inverse Universe

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



50.5698, 41.8295, 57.6353



67.6935, 52.8538, 76.4540



57.5201, 62.4728, 39.1652



13.4116, 13.1938, 15.4289



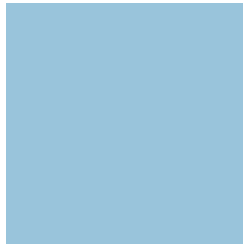
20.3015, 10.1216, 16.4997



1.3554, 0.6718, 1.2802

Previews

White Background



This preview shows how the XYZ color 45.6630, 51.3666, 74.5259 looks on a white background.

Color Contrast Check

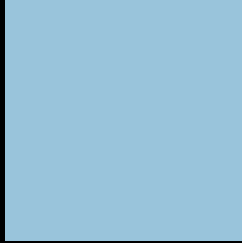
Large Text (above 18pt) WCAG AA × Fail

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 45.6630, 51.3666, 74.5259 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 45.6630, 51.3666, 74.5259

Background



This preview shows how black text looks on a background with the XYZ color 45.6630, 51.3666, 74.5259.



This preview shows how white text looks on a background with the XYZ color 45.6630, 51.3666,

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

45.6630, 51.3666, 74.5259

Protanopia

50.1284, 51.1358, 70.8465

Deuteranopia

52.1383, 51.1248, 75.5267



Tritanopia

44.9254, 51.4120, 70.5065

Trichromacy



Original Color

45.6630, 51.3666, 74.5259

Protanomaly

48.2591, 51.1037, 72.2862

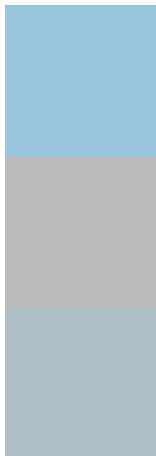
Deuteranomaly

49.4760, 51.0275, 74.9518

Tritanomaly

45.1809, 51.5142, 71.8519

Monochromacy



Original Color

45.6630, 51.3666, 74.5259

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.0621, 49.9028, 60.6306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6630, 51.3666, 74.5259 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(153, 196, 219)` looks like.

```
.text, #text, p{  
    color:rgb(153, 196, 219)  
}
```

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(153, 196, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 196, 219) }
```

Border

The CSS property to change the border of an element to XYZ 45.6630, 51.3666, 74.5259 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(153, 196, 219) }
```


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

```
.border{ border-color:rgb(153, 196, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 196, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 196, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 196, 219);  
box-shadow:4px 4px 4px 4px rgb(153, 196,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6630, 51.3666, 74.5259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 196, 219) }
```

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

```
.background{ background-color: rgb(153,  
196, 219) }
```

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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