

Converting Colors

XYZ(51.7161, 61.4913, 83.5660)

Have a look what the booklet for
XYZ(51.7161, 61.4913, 83.5660)
contains.

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Color

**XYZ(51.6476, 61.4443,
83.2666)**

Conversions

Conversions Part 1

Format	Color
Hex	98D8E5
RGB	152, 216, 229
RGB Percent	60%, 85%, 90%
CMY	0.4039, 0.1529, 0.1020
CMYK	0.34, 0.06, 0.00, 0.10
HSL	190°, 60%, 75%
HSV	190°, 34%, 90%
XYZ	51.6476, 61.4443, 83.2666
YIQ	198.3460, -42.3170, -9.5250

Conversions

Conversions Part 2

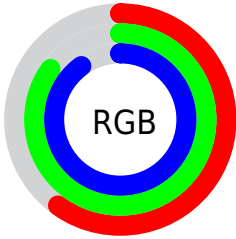
Format	Color
RYB	152, 187, 229
Decimal	10016997
CIELab	82.62, -17.06, -12.86
CIELCh	83, 21.367, 217.019
Yxy	61.4443, 0.2630, 0.3129
Android (android.graphics.Color)	4288207077 (0xFF98D8E5)
YUV	198.3460, 15.1124, -40.6454
Hunter-Lab	78.3864, -19.5653, -8.1108

Details

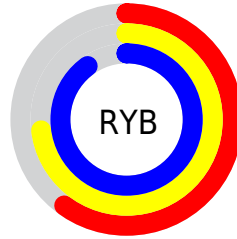
The XYZ color **51.6476, 61.4443, 83.2666** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.4366, 45.8359, 35.8433**, and the grayscale version is **53.8178, 56.6205, 61.6597**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **25.3146, 31.0871, 44.7106** is the 20% darker color. If you saturate the color by 10%, you get **46.7901, 57.4886, 82.7601**, and if you desaturate by 10%, it is **57.3596, 65.8780, 83.8224**.

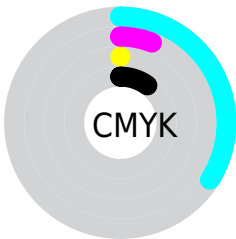
Distribution



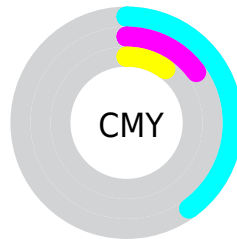
- Red (60%)
- Green (85%)
- Blue (90%)



- Red (60%)
- Yellow (73%)
- Blue (90%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (40%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6476, 61.4443, 83.2666 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 51.6476, 61.4443, 83.2666 by changing the saturation by 10% instead.

■ 51.6476, 61.4443,
83.2666

■ 51.6476, 61.4443,
83.2666

383.4210,
429.9012, 525.8689

■ 36.9474, 44.5838,
61.8682

■ 91.7886, 106.9220,
139.8014

■ 25.3403, 31.1298,
44.4911

■ 117.9602,
136.3080, 175.7748

■ 16.4608, 20.6977,
30.7168

148.6862,
170.6380, 217.4437

■ 9.9437, 12.9032,
20.1266

184.3320,
210.2963, 265.2266

■ 5.4236, 7.3619,
12.3021

225.2631,
255.6674, 319.5421

■ 2.5352, 3.6895,
6.8248

271.8447,

■ 0.9130, 1.5014,

307.1356, 380.8085

3.2760

324.4422,
365.0854, 449.4446

■ 0.0000, 0.2897,
1.2372

■ 0.0000, 0.0000,
0.0095

■ 51.6476, 61.4443,
83.2666

■ 51.6476, 61.4443,
83.2666

■ 46.7901, 57.4886,
82.7601

■ 57.3596, 65.8780,
83.8224

■ 42.7335, 53.9788,
82.2965

■ 63.9645, 70.8054,
84.4253

■ 39.4269, 50.8896,
81.8745

■ 71.5054, 76.2503,
85.0789

■ 36.8109, 48.1904,
81.4914

■ 80.0206, 82.2328,
85.7848

■ 34.8170, 45.8455,
81.1438

■ 85.1865, 86.5242,
86.3408

■ 33.3618, 43.8117,
80.8280

■ 86.3074, 88.7660,
86.7145

■ 32.6315, 42.6340,
80.6392

■ 87.4526, 91.0562,
87.0962

■ 88.6220, 93.3952,
87.4860

■ 89.8160, 95.7831,
87.8840

Harmonies

Analogous

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



50.0888, 61.4443, 70.0323



51.6476, 61.4443, 83.2666



55.0296, 61.4443, 92.9135

Triad

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



51.6476, 61.4443, 83.2666



66.8901, 61.4443, 77.2409



57.3313, 61.4443, 44.8613

Complementary

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



51.6476, 61.4443, 83.2666



51.4366, 45.8359, 35.8433

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.



61.9073, 61.4443, 46.2644



51.6476, 61.4443, 83.2666



67.5853, 61.4443, 63.8672

Square

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



51.6476, 61.4443, 83.2666



63.8656, 61.4443, 89.1292



65.7188, 61.4443, 52.8363



53.2573, 61.4443, 48.7169

Rectangle

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



51.6476, 61.4443, 83.2666



57.9442, 61.4443, 95.3843



65.7188, 61.4443, 52.8363



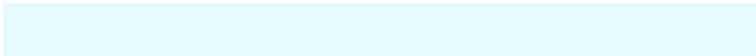
58.8601, 61.4443, 44.7428

Sweetspot

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



51.6495, 61.4467, 83.2680



84.9250, 92.7647, 108.0371



47.7458, 65.4258, 45.6312



17.8942, 19.6496, 23.0996



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.



51.6495, 61.4467, 83.2680



61.6980, 75.0146, 105.8352



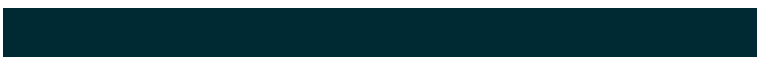
42.9472, 44.0423, 80.3673



14.5895, 15.9005, 18.4445



18.7341, 24.5302, 46.1306



1.4394, 1.9228, 3.4272

Inverse Universe

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



55.9375, 44.0738, 70.5274



68.0319, 50.2027, 86.8257



59.4166, 61.7958, 38.5033



14.8852, 14.5713, 17.5956



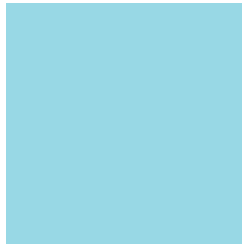
23.8496, 11.6741, 29.1666



1.7902, 0.8738, 2.3017

Previews

White Background



This preview shows how the XYZ color 51.6476, 61.4443, 83.2666 looks on a white background.

Color Contrast Check

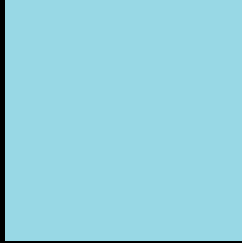
Large Text (above 18pt) WCAG AA × Fail

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 51.6476, 61.4443, 83.2666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

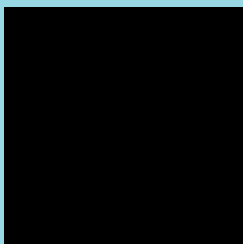
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

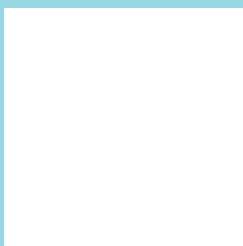
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.6476, 61.4443, 83.2666

Background



This preview shows how black text looks on a background with the XYZ color 51.6476, 61.4443, 83.2666.

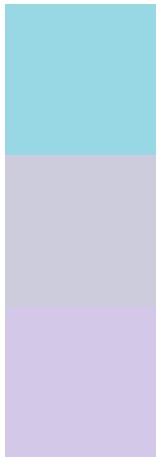


This preview shows how white text looks on a background with the XYZ color 51.6476, 61.4443,

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

51.6476, 61.4443, 83.2666

Protanopia

59.5459, 61.2436, 77.0894

Deuteranopia

62.3711, 61.1318, 84.8562



Tritanopia

52.1453, 61.2564, 86.1661

Trichromacy



Original Color

51.6476, 61.4443, 83.2666

Protanomaly

56.0180, 60.8079, 79.3056

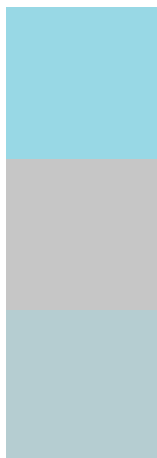
Deuteranomaly

57.7303, 60.8593, 84.3056

Tritanomaly

52.0028, 61.1994, 85.4158

Monochromacy



Original Color

51.6476, 61.4443, 83.2666

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

52.3960, 58.0898, 68.7725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6476, 61.4443, 83.2666 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(152, 216, 229)` looks like.

```
.text, #text, p{  
    color:rgb(152, 216, 229)  
}
```

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(152, 216, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 216, 229) }
```

Border

The CSS property to change the border of an element to XYZ 51.6476, 61.4443, 83.2666 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(152, 216, 229) }
```


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

```
.border{ border-color:rgb(152, 216, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 216, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 216, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 216, 229);  
box-shadow:4px 4px 4px 4px rgb(152, 216,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6476, 61.4443, 83.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 216, 229) }
```

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

```
.background{ background-color: rgb(152,  
216, 229) }
```

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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