

Converting Colors

XYZ(56.6665, 65.2302, 77.8619)

Have a look what the booklet for
XYZ(56.6665, 65.2302, 77.8619)
contains.

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Color

**XYZ(56.7428, 65.3485,
78.0295)**

Conversions

Conversions Part 1

Format	Color
Hex	B2DBDD
RGB	178, 219, 221
RGB Percent	70%, 86%, 87%
CMY	0.3020, 0.1412, 0.1333
CMYK	0.19, 0.01, 0.00, 0.13
HSL	183°, 39%, 78%
HSV	183°, 19%, 87%
XYZ	56.7428, 65.3485, 78.0295
YIQ	206.9690, -25.0780, -8.0700

Conversions

Conversions Part 2

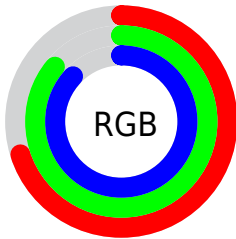
Format	Color
R _Y B	178, 199, 221
Decimal	11721693
CIE Lab	84.66, -12.88, -5.42
CIE LCh	85, 13.974, 202.820
Yxy	65.3485, 0.2835, 0.3265
Android (android.graphics.Color)	4289911773 (0xFFB2DBDD)
YUV	206.9690, 6.9173, -25.4058
Hunter-Lab	80.8384, -16.1730, -0.6429

Details

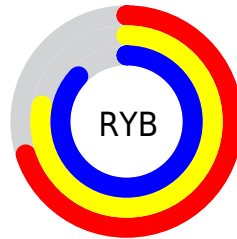
The XYZ color **56.7428, 65.3485, 78.0295** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.1766, 51.2292, 49.1536**, and the grayscale version is **59.2582, 62.3443, 67.8929**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **28.4706, 33.5892, 41.0592** is the 20% darker color. If you saturate the color by 10%, you get **51.8085, 62.4101, 77.7235**, and if you desaturate by 10%, it is **62.4995, 68.7167, 78.3773**.

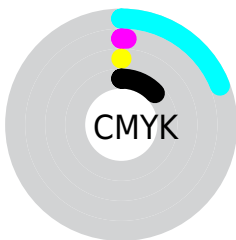
Distribution



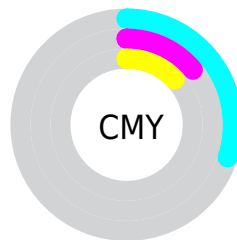
- Red (70%)
- Green (86%)
- Blue (87%)



- Red (70%)
- Yellow (78%)
- Blue (87%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (30%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7428, 65.3485, 78.0295 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 56.7428, 65.3485, 78.0295 by changing the saturation by 10% instead.

■ 56.7428, 65.3485,
78.0295

■ 56.7428, 65.3485,
78.0295

402.5146,
444.0433, 507.7976

■ 41.0381, 47.7437,
57.5816

■ 99.2233, 112.5507,
132.3780

■ 28.5367, 33.6240,
41.0599

126.7299,
142.9170, 167.1156

■ 18.8731, 22.6049,
28.0459

158.9011,
178.3059, 207.4536

■ 11.6821, 14.3020,
18.1209

196.1023,
219.1018, 253.8105

■ 6.5982, 8.3310,
10.8665

238.6990,
265.6890, 306.6048

■ 3.2562, 4.3075,
5.8641

287.0563,

■ 1.2907, 1.8470,

318.4521, 366.2550

2.6952

341.5397,
377.7754, 433.1798

■ 0.1762, 0.5162,
0.9410

■ 0.0000, 0.0000,
0.0000

■ 56.7428, 65.3485,
78.0295

■ 56.7428, 65.3485,
78.0295

■ 51.8085, 62.4101,
77.7235

■ 62.4995, 68.7167,
78.3773

■ 47.6517, 59.8734,
77.4529

■ 69.1093, 72.5254,
78.7640

■ 44.2323, 57.7192,
77.2173

■ 76.6083, 76.7949,
79.1929

■ 41.5038, 55.9236,
77.0146

■ 80.7085, 79.3148,
79.4632

■ 39.4149, 54.4602,
76.8422

■ 80.9838, 79.8653,
79.5549

■ 37.9068, 53.2986,
76.6975

■ 81.2607, 80.4192,
79.6473

■ 36.9100, 52.4030,
76.5771

■ 81.5393, 80.9764,
79.7401

■ 36.3093, 51.7140,
76.4758

■ 81.8195, 81.5369,
79.8335

■ 36.2804, 51.6786,
76.4705

■ 82.1015, 82.1008,
79.9275

Harmonies

Analogous

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



56.3458, 65.3485, 69.0267



56.7428, 65.3485, 78.0295



58.5552, 65.3485, 85.7444

Triad

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



56.7428, 65.3485, 78.0295



67.0170, 65.3485, 82.0537



62.8649, 65.3485, 55.4269

Complementary

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



56.7428, 65.3485, 78.0295



54.1766, 51.2292, 49.1536

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.



65.8096, 65.3485, 58.3194



56.7428, 65.3485, 78.0295



68.2583, 65.3485, 73.3234

Square

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



56.7428, 65.3485, 78.0295



64.4685, 65.3485, 88.2002



67.8092, 65.3485, 64.6936



59.8132, 65.3485, 56.4580

Rectangle

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



56.7428, 65.3485, 78.0295



60.3559, 65.3485, 88.8693



67.8092, 65.3485, 64.6936



63.9014, 65.3485, 55.9638

Sweetspot

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



56.7447, 65.3512, 78.0310



89.4171, 96.7602, 108.5716



52.3984, 64.4513, 52.5579



19.0134, 20.6381, 23.2314



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.



56.7447, 65.3512, 78.0310



75.8033, 88.7971, 107.7520



51.6218, 55.1054, 76.3233



13.3904, 14.7205, 16.7877



21.0993, 30.0681, 44.4301



1.3832, 1.9806, 2.8838

Inverse Universe

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



58.5269, 52.3289, 74.0367



78.6734, 67.9437, 101.2929



58.7270, 60.3300, 50.6704



13.5869, 13.2639, 16.3518



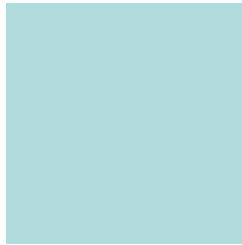
24.1453, 11.6592, 36.7407



1.5725, 0.7586, 2.4236

Previews

White Background



This preview shows how the XYZ color 56.7428, 65.3485, 78.0295 looks on a white background.

Color Contrast Check

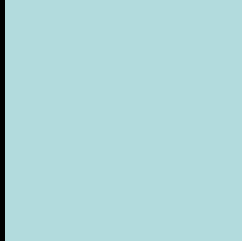
Large Text (above 18pt) WCAG AA × Fail

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 56.7428, 65.3485, 78.0295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

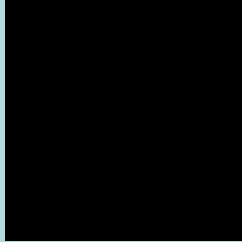
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7428, 65.3485, 78.0295

Background



This preview shows how black text looks on a background with the XYZ color 56.7428, 65.3485, 78.0295.

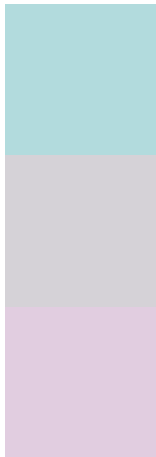


This preview shows how white text looks on a background with the XYZ color 56.7428, 65.3485,

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

56.7428, 65.3485, 78.0295

Protanopia

62.7529, 65.1456, 73.5569

Deuteranopia

66.3372, 65.0520, 79.5810



Tritanopia

58.7202, 65.3900, 87.3685

Trichromacy



Original Color

56.7428, 65.3485, 78.0295

Protanomaly

60.1381, 64.8776, 74.9987

Deuteranomaly

62.3783, 64.8308, 79.0379

Tritanomaly

58.0367, 65.5032, 83.7133

Monochromacy



Original Color

56.7428, 65.3485, 78.0295

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

57.9429, 63.0778, 71.4087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7428, 65.3485, 78.0295 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(178, 219, 221)` looks like.

```
.text, #text, p{  
    color:rgb(178, 219, 221)  
}
```

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(178, 219, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 219, 221) }
```

Border

The CSS property to change the border of an element to XYZ 56.7428, 65.3485, 78.0295 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(178, 219, 221) }
```


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

```
.border{ border-color:rgb(178, 219, 221) }
```

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

Here you see how a box with a 4 pixel rgb(178, 219, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 219, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 219, 221);  
box-shadow:4px 4px 4px 4px rgb(178, 219,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7428, 65.3485, 78.0295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 219, 221) }
```

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

```
.background{ background-color: rgb(178,  
219, 221) }
```

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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