

Converting Colors

XYZ(48.4686, 61.8181, 74.7035)

Have a look what the booklet for
XYZ(48.4686, 61.8181, 74.7035)
contains.

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Color

**XYZ(48.5342, 61.9569,
75.0465)**

Conversions

Conversions Part 1

Format	Color
Hex	88DDD9
RGB	136, 221, 217
RGB Percent	53%, 87%, 85%
CMY	0.4667, 0.1333, 0.1490
CMYK	0.38, 0.00, 0.02, 0.13
HSL	177°, 56%, 70%
HSV	177°, 38%, 87%
XYZ	48.5342, 61.9569, 75.0465
YIQ	195.1290, -49.3760, -19.2640

Conversions

Conversions Part 2

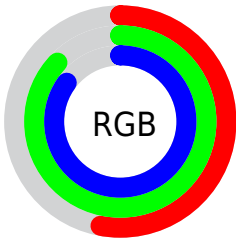
Format	Color
R _Y B	136, 180, 221
Decimal	8969689
CIE Lab	82.89, -26.61, -6.17
CIE LCh	83, 27.313, 193.046
Yxy	61.9569, 0.2616, 0.3339
Android (android.graphics.Color)	4287159769 (0xFF88DDD9)
YUV	195.1290, 10.7824, -51.8561
Hunter-Lab	78.7127, -27.6843, -1.4296

Details

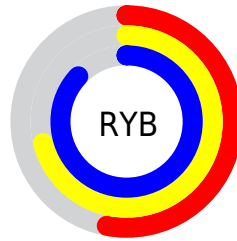
The XYZ color **48.5342, 61.9569, 75.0465** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.3587, 34.8758, 29.2597**, and the grayscale version is **51.9090, 54.6123, 59.4728**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **23.4661, 31.5865, 39.0424** is the 20% darker color. If you saturate the color by 10%, you get **45.1740, 60.2417, 74.1862**, and if you desaturate by 10%, it is **52.6389, 64.0588, 75.9488**.

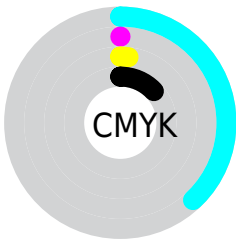
Distribution



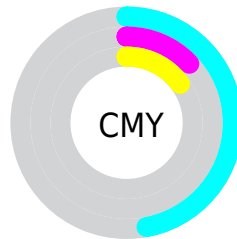
- Red (53%)
- Green (87%)
- Blue (85%)



- Red (53%)
- Yellow (71%)
- Blue (87%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5342, 61.9569, 75.0465 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 48.5342, 61.9569, 75.0465 by changing the saturation by 10% instead.

 48.5342, 61.9569,
75.0465


 48.5342, 61.9569,
75.0465


371.4531,
431.7739, 497.3371

 34.4631, 44.9979,
55.1490


 87.2041, 107.6632,
128.1259

 23.4142, 31.4558,
39.1216


 112.5337,
137.1793, 162.1449

 15.0220, 20.9461,
26.5458


 142.3468,
171.6499, 201.7081

 8.9213, 13.0846,
17.0030

177.0089,
211.4594, 247.2342

 4.7466, 7.4869,
10.0746

216.8852,
256.9921, 299.1415

 2.1326, 3.7684,
5.3422

262.3411,

 0.7068, 1.5449,

308.6325, 357.8488

2.3872

313.7419,
366.7650, 423.7744

■ 0.0000, 0.3200,
0.7795

■ 0.0000, 0.0000,
0.0000

■ 48.5342, 61.9569,
75.0465

■ 48.5342, 61.9569,
75.0465

■ 45.1740, 60.2417,
74.1862

■ 52.6389, 64.0588,
75.9488

■ 42.5070, 58.8823,
73.3614

■ 57.5246, 66.5617,
76.8908

■ 40.4841, 57.8549,
72.5712

■ 63.2318, 69.4879,
77.8757

■ 39.0475, 57.1296,
71.8128

■ 69.7967, 72.8563,
78.9053

■ 38.1291, 56.6714,
71.0832

■ 77.2534, 76.6843,
79.9810

■ 37.6276, 56.4279,
70.3774

■ 80.4499, 78.3159,
80.8619

■ 37.5650, 56.3980,
70.2699

■ 80.5909, 78.3723,
81.6043

■ 80.7327, 78.4291,
82.3512

■ 80.8754, 78.4861,
83.1027

Harmonies

Analogous

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



48.7101, 61.9569, 58.4412



48.5342, 61.9569, 75.0465



50.9966, 61.9569, 92.0980

Triad

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



48.5342, 61.9569, 75.0465



66.9580, 61.9569, 94.0356



62.2513, 61.9569, 40.9585

Complementary

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



48.5342, 61.9569, 75.0465



43.3587, 34.8758, 29.2597

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.



67.5546, 61.9569, 47.6626



48.5342, 61.9569, 75.0465



70.3937, 61.9569, 77.3631

Square

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



48.5342, 61.9569, 75.0465



61.4806, 61.9569, 104.2294



70.6190, 61.9569, 60.4038



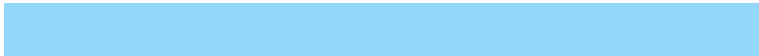
56.3697, 61.9569, 40.5495

Rectangle

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



48.5342, 61.9569, 75.0465



53.9045, 61.9569, 100.6818



70.6190, 61.9569, 60.4038



64.1699, 61.9569, 42.4922

Sweetspot

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



48.5360, 61.9594, 75.0479



84.4435, 94.5588, 107.1973



41.1597, 59.0902, 32.5301



17.8497, 20.1243, 22.9061



0.0000, 0.0000, 0.0000



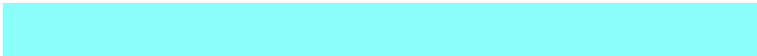
20.3446, 21.4041, 23.3091

Same Dimension

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



48.5360, 61.9594, 75.0479



63.3650, 83.7671, 102.8419



40.0884, 44.2207, 74.8319



13.4170, 14.8184, 16.6589



21.8334, 32.7660, 40.8834



1.4228, 2.1261, 2.6926

Inverse Universe

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



43.3587, 34.8758, 29.2597



55.2604, 41.3409, 31.1424



49.4493, 47.5207, 29.8601



13.0808, 13.0614, 13.6866



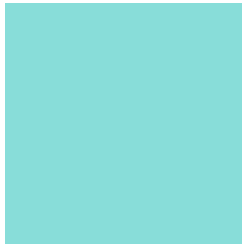
17.3669, 8.9478, 1.0462



1.1341, 0.5833, 0.1149

Previews

White Background



This preview shows how the XYZ color 48.5342, 61.9569, 75.0465 looks on a white background.

Color Contrast Check

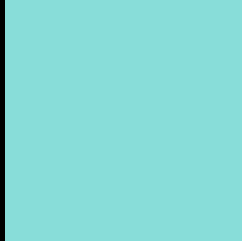
Large Text (above 18pt) WCAG AA × Fail

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 48.5342, 61.9569, 75.0465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

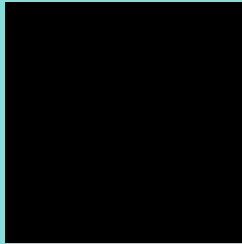
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

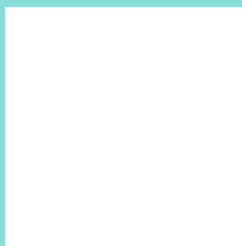
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5342, 61.9569, 75.0465

Background



This preview shows how black text looks on a background with the XYZ color 48.5342, 61.9569, 75.0465.



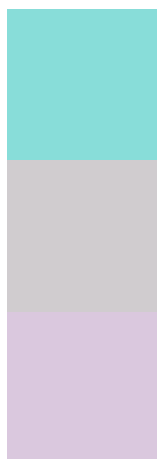
This preview shows how white text looks on a background with the XYZ color 48.5342, 61.9569,

75.0465.

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

48.5342, 61.9569, 75.0465

Protanopia

58.8678, 61.1006, 67.7224

Deuteranopia

62.7525, 61.4879, 77.6682



Tritanopia

51.1962, 61.8617, 88.5990

Trichromacy



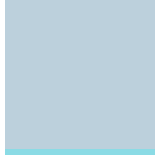
Original Color

48.5342, 61.9569, 75.0465



Protanomaly

54.0959, 60.7414, 70.5011



Deuteranomaly

56.2132, 60.9704, 76.5159



Tritanomaly

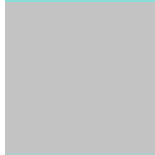
50.1218, 61.8091, 83.4174

Monochromacy



Original Color

48.5342, 61.9569, 75.0465



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.8279, 56.4962, 64.7786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5342, 61.9569, 75.0465 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(136, 221, 217)` looks like.

```
.text, #text, p{  
    color:rgb(136, 221, 217)  
}
```

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(136, 221, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 221, 217) }
```

Border

The CSS property to change the border of an element to XYZ 48.5342, 61.9569, 75.0465 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(136, 221, 217) }
```


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

```
.border{ border-color:rgb(136, 221, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 221, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 221, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 221, 217);  
box-shadow:4px 4px 4px 4px rgb(136, 221,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5342, 61.9569, 75.0465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 221, 217) }
```

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

```
.background{ background-color: rgb(136,  
221, 217) }
```

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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