

Converting Colors

XYZ(42.2762, 66.3157, 57.4915)

Have a look what the booklet for
XYZ(42.2762, 66.3157, 57.4915)
contains.

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Color

**XYZ(42.2167, 66.1146,
57.5501)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 48EEBB |
| RGB | 72, 238, 187 |
| RGB Percent | 28%, 93%, 73% |
| CMY | 0.7176, 0.0667, 0.2667 |
| CMYK | 0.70, 0.00, 0.21, 0.07 |
| HSL | 162°, 83%, 61% |
| HSV | 162°, 70%, 93% |
| XYZ | 42.2167, 66.1146, 57.5501 |
| YIQ | 182.5520, -82.5650, -51.0530 |

Conversions

Conversions Part 2

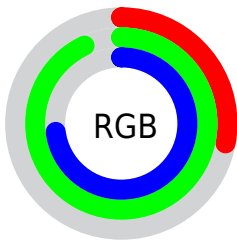
| Format | Color |
|-------------------------------------|---|
| RYB | 72, 170, 238 |
| Decimal | 4779707 |
| CIELab | 85.05, -54.09, 12.53 |
| CIELCh | 85, 55.521, 166.961 |
| Yxy | 66.1146, 0.2545, 0.3986 |
| Android (android.graphics.Color) | 4282969787 (0xFF48EEBB) |
| YUV | 182.5520, 2.1929, -96.9541 |
| Hunter-Lab | 81.3109, -49.6167, 14.9534 |

Details

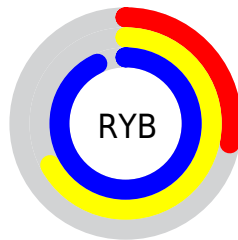
The XYZ color **42.2167, 66.1146, 57.5501** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **41.1547, 24.2437, 21.2522**, and the grayscale version is **44.7872, 47.1196, 51.3133**.

A 20% lighter version of the original color is **62.7529, 83.5665, 97.6165**, and **20.8269, 34.7690, 28.1676** is the 20% darker color. If you saturate the color by 10%, you get **40.0109, 65.0673, 53.4648**, and if you desaturate by 10%, it is **45.1523, 67.5368, 61.8806**.

Distribution



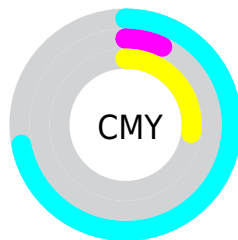
- Red (28%)
- Green (93%)
- Blue (73%)



- Red (28%)
- Yellow (67%)
- Blue (93%)



- Cyan (70%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)





- Cyan (72%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2167, 66.1146, 57.5501 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 42.2167, 66.1146, 57.5501 by changing the saturation by 10% instead.

 42.2167, 66.1146,
57.5501


 42.2167, 66.1146,
57.5501


346.3568,
446.7866, 433.0588


 29.4629, 48.3654,
41.0348


 77.7906, 113.6508,
102.7757


 19.5773, 34.1164,
28.0263

 101.3414,
144.2066, 132.3230

 12.1946, 22.9830,
18.1063


 129.2218,
179.8001, 167.0515

 6.9495, 14.5810,
10.8561

 161.7973,
220.8157, 207.3795

 3.4766, 8.5258,
5.8572

199.4332,
267.6377, 253.7257

 1.4105, 4.4332,
2.6911

242.4948,

 0.2637, 1.9187,

320.6507, 306.5087

0.9389

291.3476,
380.2388, 366.1468

■ 0.0000, 0.5596,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2167, 66.1146,
57.5501

■ 42.2167, 66.1146,
57.5501

■ 40.0109, 65.0673,
53.4648

■ 45.1523, 67.5368,
61.8806

■ 38.4447, 64.3435,
49.6131


■ 48.8836, 69.3630,
66.4579

■ 37.3806, 63.8741,
45.9869


■ 53.4753, 71.6279,
71.2896


■ 37.3561, 63.8635,
45.8973


■ 58.9834, 74.3604,
76.3811

 65.4593, 77.5870,
81.7377

 72.9505, 81.3321,
87.3643

 81.5011, 85.6183,
93.2657

 88.3739, 89.0346,
99.3165

 89.5158, 89.4913,
105.3296

Harmonies

Analogous

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



46.8625, 66.1146, 34.4932



42.2167, 66.1146, 57.5501



42.5440, 66.1146, 93.9868

Triad

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



42.2167, 66.1146, 57.5501



70.1135, 66.1146, 159.9152



80.7082, 66.1146, 32.4943

Complementary

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



42.2167, 66.1146, 57.5501



41.1547, 24.2437, 21.2522

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.



88.7404, 66.1146, 53.7206



42.2167, 66.1146, 57.5501



82.0897, 66.1146, 129.9121

Square

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



42.2167, 66.1146, 57.5501



57.5728, 66.1146, 161.9990



89.2771, 66.1146, 88.6577



68.4190, 66.1146, 23.6030

Rectangle

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



42.2167, 66.1146, 57.5501



45.5284, 66.1146, 121.8002



89.2771, 66.1146, 88.6577



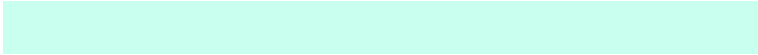
84.0627, 66.1146, 38.0310

Sweetspot

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



42.2185, 66.1172, 57.5516



75.4817, 90.2052, 94.7440



40.1408, 65.9471, 16.7455



15.6912, 19.0758, 19.9032



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.



42.2185, 66.1172, 57.5516



45.8722, 75.6696, 60.4392



40.5576, 52.4541, 88.8789



16.0285, 17.8414, 19.1731



20.9007, 35.6523, 25.9236



1.7830, 2.9836, 2.3895

Inverse Universe

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



41.1547, 24.2437, 21.2522



44.6595, 23.8855, 16.0596



41.2258, 28.2352, 9.4092



15.9728, 15.8388, 17.4128



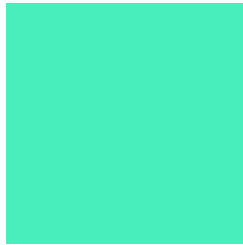
20.3954, 10.4306, 4.7325



1.7395, 0.8849, 0.6192

Previews

White Background



This preview shows how the XYZ color 42.2167, 66.1146, 57.5501 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 42.2167, 66.1146, 57.5501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

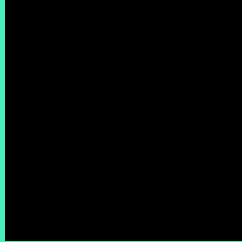
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

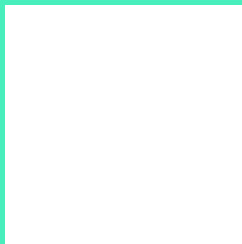
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2167, 66.1146, 57.5501

Background



This preview shows how black text looks on a background with the XYZ color 42.2167, 66.1146, 57.5501.

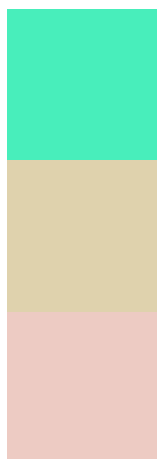


This preview shows how white text looks on a background with the XYZ color 42.2167, 66.1146,

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

42.2167, 66.1146, 57.5501

Protanopia

61.0208, 64.7983, 48.8263

Deuteranopia

66.1313, 64.6565, 60.6242



Tritanopia

50.3857, 66.0236, 98.8952

Trichromacy



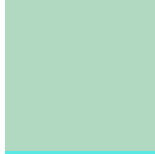
Original Color

42.2167, 66.1146, 57.5501



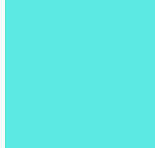
Protanomaly

49.7775, 62.7256, 51.6032



Deuteranomaly

52.2018, 62.2646, 59.1361



Tritanomaly

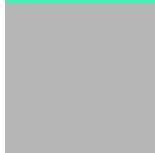
46.9862, 65.8927, 82.1936

Monochromacy



Original Color

42.2167, 66.1146, 57.5501



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.3354, 52.0122, 53.2082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2167, 66.1146, 57.5501 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(72, 238, 187)` looks like.

```
.text, #text, p{  
    color:rgb(72, 238, 187)  
}
```

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(72, 238, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 238, 187) }
```

Border

The CSS property to change the border of an element to XYZ 42.2167, 66.1146, 57.5501 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(72, 238, 187) }
```


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

```
.border{ border-color:rgb(72, 238, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 238, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 238, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 238, 187);  
box-shadow:4px 4px 4px 4px rgb(72, 238,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2167, 66.1146, 57.5501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 238, 187) }
```

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

```
.background{ background-color: rgb(72, 238,  
187) }
```

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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