

Converting Colors

XYZ(42.4105, 66.2265, 59.9183)

Have a look what the booklet for
XYZ(42.4105, 66.2265, 59.9183)
contains.

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Color

**XYZ(42.3624, 66.1396,
59.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	44EEBF
RGB	68, 238, 191
RGB Percent	27%, 93%, 75%
CMY	0.7333, 0.0667, 0.2510
CMYK	0.71, 0.00, 0.20, 0.07
HSL	163°, 83%, 60%
HSV	163°, 71%, 93%
XYZ	42.3624, 66.1396, 59.8237
YIQ	181.8120, -86.2330, -50.6570

Conversions

Conversions Part 2

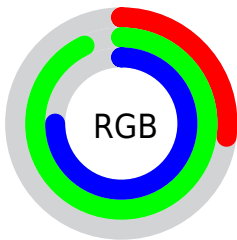
Format	Color
RYB	68, 167, 238
Decimal	4517567
CIELab	85.07, -53.71, 10.45
CIELCh	85, 54.712, 168.992
Yxy	66.1396, 0.2517, 0.3929
Android (android.graphics.Color)	4282707647 (0xFF44EEBF)
YUV	181.8120, 4.5297, -99.8131
Hunter-Lab	81.3263, -49.3413, 13.3146

Details

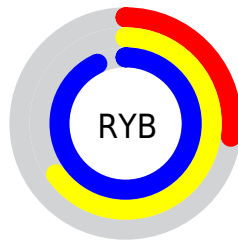
The XYZ color **42.3624, 66.1396, 59.8237** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **40.4237, 23.5509, 18.6375**, and the grayscale version is **44.3728, 46.6837, 50.8385**.

A 20% lighter version of the original color is **62.8650, 83.5538, 100.8098**, and **21.1113, 34.8827, 29.6651** is the 20% darker color. If you saturate the color by 10%, you get **40.3193, 65.1698, 56.0334**, and if you desaturate by 10%, it is **45.1150, 67.4747, 63.8200**.

Distribution



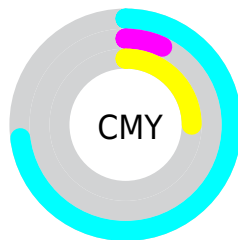
- Red (27%)
- Green (93%)
- Blue (75%)



- Red (27%)
- Yellow (65%)
- Blue (93%)



- Cyan (71%)
- Magenta (0%)
- Yellow (20%)
- Black (7%)





- Cyan (73%)
- Magenta (7%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3624, 66.1396, 59.8237 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 42.3624, 66.1396, 59.8237 by changing the saturation by 10% instead.


 42.3624, 66.1396,
59.8237


 42.3624, 66.1396,
59.8237


346.9492,
446.8760, 441.7342

 29.5775, 48.3857,
42.8522


 78.0095, 113.6867,
106.1147


 19.6646, 34.1325,
29.4386


 101.6025,
144.2487, 136.2714

 12.2583, 22.9954,
19.1644

 129.5289,
179.8488, 171.6601

 6.9933, 14.5901,
11.6111

 162.1540,
220.8716, 212.6994

 3.5042, 8.5322,
6.3602

199.8432,
267.7012, 259.8080

 1.4257, 4.4373,
2.9930

242.9619,

 0.2744, 1.9211,

320.7223, 313.4043

1.0911

291.8754,
380.3191, 373.9068

■ 0.0000, 0.5610,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3624, 66.1396,
59.8237

■ 42.3624, 66.1396,
59.8237

■ 40.3193, 65.1698,
56.0334

■ 45.1150, 67.4747,
63.8200


■ 38.8924, 64.5123,
52.4381


■ 48.6447, 69.2050,
68.0233


■ 38.0412, 64.1375,
49.5048


■ 53.0171, 71.3658,
72.4402


■ 58.2892, 73.9865,
77.0754

 64.5129, 77.0939,
81.9335

 71.7361, 80.7125,
87.0186

 80.0035, 84.8654,
92.3349

 88.0911, 88.9215,
97.8270

 89.1065, 89.3277,
103.1742

Harmonies

Analogous

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



46.6305, 66.1396, 36.0453



42.3624, 66.1396, 59.8237



43.0219, 66.1396, 96.4234

Triad

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



42.3624, 66.1396, 59.8237



70.8914, 66.1396, 157.0828



79.7211, 66.1396, 31.9966

Complementary

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



42.3624, 66.1396, 59.8237



40.4237, 23.5509, 18.6375

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.



88.0248, 66.1396, 52.1177



42.3624, 66.1396, 59.8237



82.4849, 66.1396, 126.3241

Square

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



42.3624, 66.1396, 59.8237



58.4488, 66.1396, 161.2307



89.0975, 66.1396, 85.7588



67.4955, 66.1396, 23.8428

Rectangle

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



42.3624, 66.1396, 59.8237



46.1931, 66.1396, 123.6846



89.0975, 66.1396, 85.7588



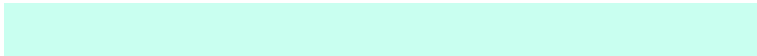
83.1283, 66.1396, 37.2097

Sweetspot

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



42.3642, 66.1422, 59.8252



75.7256, 90.3028, 96.0284



38.8447, 65.2936, 16.0255



15.7496, 19.0991, 20.2108



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.



42.3642, 66.1422, 59.8252



46.2560, 75.8012, 63.4482



38.7441, 49.2556, 88.3572



16.0501, 17.8500, 19.2865



21.2799, 35.8040, 27.9206



1.8121, 2.9953, 2.5431

Inverse Universe

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



40.4237, 23.5509, 18.6375



43.9885, 23.3544, 13.3364



41.3400, 28.6657, 8.8241



15.9524, 15.8307, 17.3054



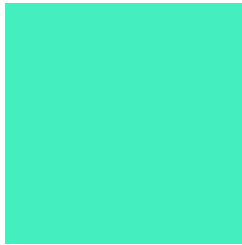
20.2638, 10.3779, 4.0398



1.7264, 0.8796, 0.5501

Previews

White Background



This preview shows how the XYZ color 42.3624, 66.1396, 59.8237 looks on a white background.

Color Contrast Check

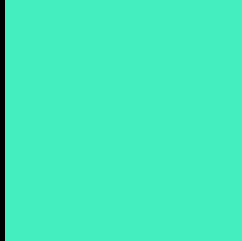
Large Text (above 18pt) WCAG AA × Fail

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 42.3624, 66.1396, 59.8237 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

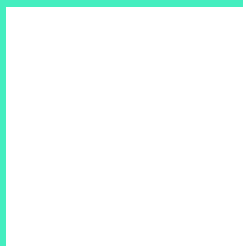
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3624, 66.1396, 59.8237

Background



This preview shows how black text looks on a background with the XYZ color 42.3624, 66.1396, 59.8237.



This preview shows how white text looks on a background with the XYZ color 42.3624, 66.1396,

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

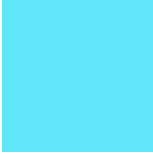
42.3624, 66.1396, 59.8237

Protanopia

61.1066, 64.7971, 50.8814

Deuteranopia

65.9257, 64.4976, 63.0074



Tritanopia

50.2196, 65.9200, 99.6995

Trichromacy



Original Color

42.3624, 66.1396, 59.8237



Protanomaly

49.7626, 62.6708, 53.7299



Deuteranomaly

51.9752, 62.0959, 61.4709



Tritanomaly

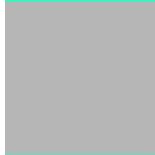
46.9803, 65.8577, 83.6345

Monochromacy



Original Color

42.3624, 66.1396, 59.8237



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.8620, 51.4066, 53.6677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3624, 66.1396, 59.8237 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(68, 238, 191)` looks like.

```
.text, #text, p{  
    color:rgb(68, 238, 191)  
}
```

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(68, 238, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 238, 191) }
```

Border

The CSS property to change the border of an element to XYZ 42.3624, 66.1396, 59.8237 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(68, 238, 191) }
```


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

```
.border{ border-color:rgb(68, 238, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 238, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 238, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 238, 191);  
box-shadow:4px 4px 4px 4px rgb(68, 238,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3624, 66.1396, 59.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 238, 191) }
```

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

```
.background{ background-color: rgb(68, 238,  
191) }
```

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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