

Converting Colors

XYZ(42.6915, 61.3169, 42.2598)

Have a look what the booklet for
XYZ(42.6915, 61.3169, 42.2598)
contains.

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Color

**XYZ(42.6989, 61.2592,
42.3746)**

Conversions

Conversions Part 1

Format	Color
Hex	84E19F
RGB	132, 225, 159
RGB Percent	52%, 88%, 62%
CMY	0.4823, 0.1176, 0.3765
CMYK	0.41, 0.00, 0.29, 0.12
HSL	137°, 61%, 70%
HSV	137°, 41%, 88%
XYZ	42.6989, 61.2592, 42.3746
YIQ	189.6690, -34.2420, -40.2420

Conversions

Conversions Part 2

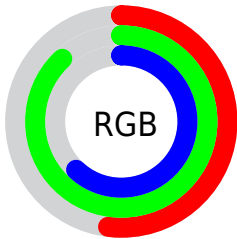
Format	Color
RYB	132, 204, 225
Decimal	8708511
CIELab	82.52, -41.71, 23.84
CIELCh	83, 48.039, 150.249
Yxy	61.2592, 0.2918, 0.4186
Android (android.graphics.Color)	4286898591 (0xFF84E19F)
YUV	189.6690, -15.1198, -50.5757
Hunter-Lab	78.2683, -39.5896, 22.6880

Details

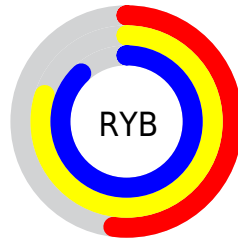
The XYZ color **42.6989, 61.2592, 42.3746** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **49.4976, 36.5885, 57.8817**, and the grayscale version is **48.8527, 51.3968, 55.9712**.

A 20% lighter version of the original color is **68.6366, 87.0664, 76.8063**, and **19.8223, 30.9740, 18.8437** is the 20% darker color. If you saturate the color by 10%, you get **38.2554, 59.1201, 35.3952**, and if you desaturate by 10%, it is **48.0835, 63.8662, 50.3352**.

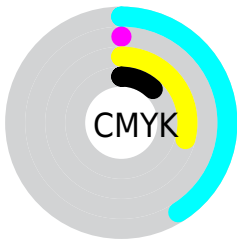
Distribution



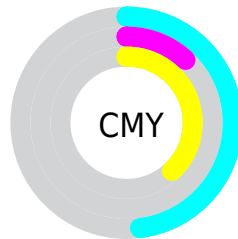
- Red (52%)
- Green (88%)
- Blue (62%)



- Red (52%)
- Yellow (80%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (29%)
- Black (12%)





- Cyan (48%)
- Magenta (12%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6989, 61.2592, 42.3746 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 42.6989, 61.2592, 42.3746 by changing the saturation by 10% instead.

 42.6989, 61.2592,
42.3746


 42.6989, 61.2592,
42.3746


348.3146,
429.2237, 371.8788


 29.8424, 44.4344,
29.0670


 78.5148, 106.6541,
80.0425

 19.8665, 31.0121,
18.8855

 102.2050,
135.9931, 105.2398

 12.4057, 20.6081,
11.4116


 130.2372,
170.2722, 135.2374

 7.0948, 12.8378,
6.2267

162.9766,
209.8758, 170.4538

 3.5683, 7.3170,
2.9124

200.7887,
255.1884, 211.3076

 1.4609, 3.6611,
1.0501

244.0388,

 0.2990, 1.4859,

306.5943, 258.2174

0.0000

293.0923,
364.4779, 311.6016

■ 0.0000, 0.2787,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6989, 61.2592,
42.3746

■ 42.6989, 61.2592,
42.3746

■ 38.2554, 59.1201,
35.3952

■ 48.0835, 63.8662,
50.3352

■ 34.6920, 57.4131,
29.3546


■ 54.4555, 66.9591,
59.3088


■ 31.9481, 56.1095,
24.2136


■ 61.8642, 70.5642,
69.3311


■ 29.9527, 55.1736,
19.9283


■ 70.3539, 74.7038,
80.4345

 28.6220, 54.5632,
16.4513

 79.9663, 79.3988,
92.6502

 27.8900, 54.2383,
14.0494

 86.1859, 82.3206,
105.7948

 86.2164, 82.3328,
105.9555

Harmonies

Analogous

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



48.8270, 61.2592, 28.7845



42.6989, 61.2592, 42.3746



40.6157, 61.2592, 66.9471

Triad

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



42.6989, 61.2592, 42.3746



58.3110, 61.2592, 140.8073



77.0176, 61.2592, 42.0606

Complementary

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



42.6989, 61.2592, 42.3746



49.4976, 36.5885, 57.8817

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.



80.3052, 61.2592, 66.4552



42.6989, 61.2592, 42.3746



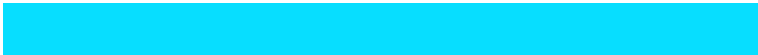
68.7577, 61.2592, 128.5048

Square

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



42.6989, 61.2592, 42.3746



48.9594, 61.2592, 128.8859



77.1212, 61.2592, 98.9097



68.5916, 61.2592, 28.6443

Rectangle

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



42.6989, 61.2592, 42.3746



41.5838, 61.2592, 88.2675



77.1212, 61.2592, 98.9097



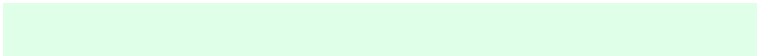
78.8017, 61.2592, 48.9687

Sweetspot

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



42.7005, 61.2617, 42.3760



81.3732, 93.3307, 91.0294



54.5527, 67.6136, 32.0057



17.1259, 19.8348, 19.0950



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.



42.7005, 61.2617, 42.3760



51.3346, 78.7695, 47.8652



47.4441, 63.1592, 67.3555



13.6916, 15.4024, 15.4114



16.1149, 31.2708, 8.3280



1.1552, 2.1828, 0.7783

Inverse Universe

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



49.4976, 36.5885, 57.8817



61.5469, 41.6293, 71.1100



44.9841, 34.7831, 34.1139



14.1165, 13.8642, 16.3838



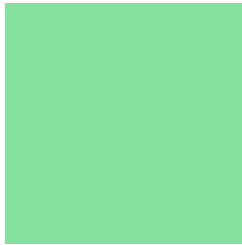
21.5864, 10.7016, 20.2857



1.5346, 0.7571, 1.6078

Previews

White Background



This preview shows how the XYZ color 42.6989, 61.2592, 42.3746 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 42.6989, 61.2592, 42.3746 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

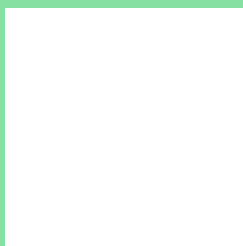
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6989, 61.2592, 42.3746

Background



This preview shows how black text looks on a background with the XYZ color 42.6989, 61.2592, 42.3746.

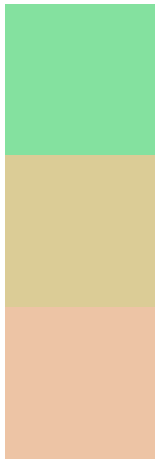


This preview shows how white text looks on a background with the XYZ color 42.6989, 61.2592,

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

42.6989, 61.2592, 42.3746

Protanopia

56.3113, 60.4478, 37.5538

Deuteranopia

61.4565, 60.2010, 43.9782



Tritanopia

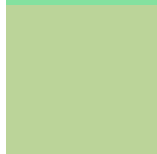
51.4766, 61.2908, 86.2080

Trichromacy



Original Color

42.6989, 61.2592, 42.3746



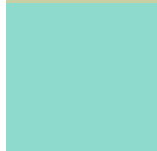
Protanomaly

49.7868, 59.9517, 39.0848



Deuteranomaly

52.4769, 59.4121, 43.3522



Tritanomaly

47.6274, 60.8701, 67.6314

Monochromacy



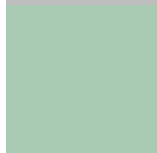
Original Color

42.6989, 61.2592, 42.3746



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.8548, 54.4016, 50.7316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6989, 61.2592, 42.3746 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(132, 225, 159)` looks like.

```
.text, #text, p{  
    color:rgb(132, 225, 159)  
}
```

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(132, 225, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 225, 159) }
```

Border

The CSS property to change the border of an element to XYZ 42.6989, 61.2592, 42.3746 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(132, 225, 159) }
```


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

```
.border{ border-color:rgb(132, 225, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 225, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 225, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 225, 159);  
box-shadow:4px 4px 4px 4px rgb(132, 225,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6989, 61.2592, 42.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 225, 159) }
```

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

```
.background{ background-color: rgb(132,  
225, 159) }
```

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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