

Converting Colors

XYZ(42.5747, 63.8354, 62.9092)

Have a look what the booklet for
XYZ(42.5747, 63.8354, 62.9092)
contains.

XYZ(42.6966, 64.1029, 62.9461)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.6966, 64.1029,
62.9461)**

Conversions

Conversions Part 1

Format	Color
Hex	52E9C5
RGB	82, 233, 197
RGB Percent	32%, 91%, 77%
CMY	0.6784, 0.0863, 0.2274
CMYK	0.65, 0.00, 0.15, 0.09
HSL	166°, 77%, 62%
HSV	166°, 65%, 91%
XYZ	42.6966, 64.1029, 62.9461
YIQ	183.7470, -78.4400, -43.2080

Conversions

Conversions Part 2

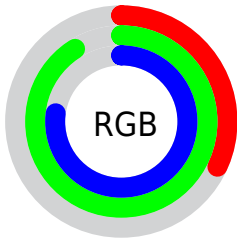
Format	Color
RYB	82, 168, 233
Decimal	5433797
CIELab	84.02, -48.19, 5.84
CIElCh	84, 48.538, 173.092
Yxy	64.1029, 0.2515, 0.3776
Android (android.graphics.Color)	4283623877 (0xFF52E9C5)
YUV	183.7470, 6.5337, -89.2321
Hunter-Lab	80.0643, -44.9222, 9.4315

Details

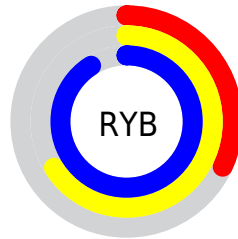
The XYZ color **42.6966, 64.1029, 62.9461** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **39.8937, 24.6678, 19.8005**, and the grayscale version is **45.4182, 47.7835, 52.0362**.

A 20% lighter version of the original color is **65.6820, 84.8788, 106.6874**, and **20.4833, 33.0338, 31.2832** is the 20% darker color. If you saturate the color by 10%, you get **40.3794, 62.9821, 59.5768**, and if you desaturate by 10%, it is **45.7285, 65.5925, 66.4742**.

Distribution



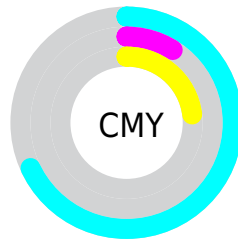
- Red (32%)
- Green (91%)
- Blue (77%)



- Red (32%)
- Yellow (66%)
- Blue (91%)



- Cyan (65%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)





- Cyan (68%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6966, 64.1029, 62.9461 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 42.6966, 64.1029, 62.9461 by changing the saturation by 10% instead.


 42.6966, 64.1029,
62.9461


 42.6966, 64.1029,
62.9461

348.3052,
439.5611, 453.4764


 29.8406, 46.7340,
45.3569


 78.5114, 110.7591,
110.6766


 19.8651, 32.8254,
31.3936


 102.2009,
140.8152, 141.6549

 12.4047, 21.9928,
20.6378

 130.2323,
175.8692, 177.9334

 7.0941, 13.8516,
12.6708

 162.9710,
216.3055, 219.9305

 3.5679, 8.0175,
7.0742

200.7823,
262.5084, 268.0648

 1.4607, 4.1062,
3.4294

244.0315,

 0.2989, 1.7331,

314.8624, 322.7549

1.3179

293.0840,
373.7519, 384.4192

■ 0.0000, 0.4450,
0.0764

■ 0.0000, 0.0000,
0.0000

■ 42.6966, 64.1029,
62.9461

■ 42.6966, 64.1029,
62.9461

■ 40.3794, 62.9821,
59.5768

■ 45.7285, 65.5925,
66.4742

■ 38.6983, 62.1850,
56.3570


■ 49.5326, 67.4760,
70.1608


■ 37.5656, 61.6679,
53.2827


■ 54.1666, 69.7845,
74.0112


■ 37.1207, 61.4723,
51.7393


■ 59.6813, 72.5442,
78.0291

 66.1231, 75.7790,
82.2179

 73.5352, 79.5112,
86.5808

 81.9582, 83.7616,
91.1209

 86.3238, 85.9176,
95.6022

 87.1686, 86.2555,
100.0509

Harmonies

Analogous

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



45.9097, 64.1029, 40.0494



42.6966, 64.1029, 62.9461



43.8906, 64.1029, 95.5587

Triad

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



42.6966, 64.1029, 62.9461



69.3609, 64.1029, 139.2598



74.1405, 64.1029, 32.4817

Complementary

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



42.6966, 64.1029, 62.9461



39.8937, 24.6678, 19.8005

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.



81.8862, 64.1029, 49.1393



42.6966, 64.1029, 62.9461



78.9088, 64.1029, 111.5098

Square

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



42.6966, 64.1029, 62.9461



58.4862, 64.1029, 146.1776



83.7260, 64.1029, 77.1281



63.4366, 64.1029, 26.1143

Rectangle

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



42.6966, 64.1029, 62.9461



47.1017, 64.1029, 118.3000



83.7260, 64.1029, 77.1281



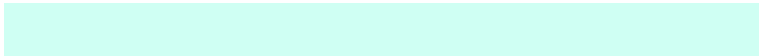
77.2252, 64.1029, 36.7792

Sweetspot

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



42.6984, 64.1054, 62.9476



77.6120, 91.2189, 98.6658



38.3750, 62.8649, 18.0952



16.1311, 19.2831, 20.8032



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.



42.6984, 64.1054, 62.9476



48.7297, 76.8969, 71.6763



37.7608, 46.8217, 84.1410



15.3552, 17.0569, 18.5532



21.1130, 34.8997, 29.6239



1.6948, 2.7552, 2.5204

Inverse Universe

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



39.8937, 24.6678, 19.8005



45.1335, 25.0879, 15.4336



41.8158, 31.3076, 11.8227



15.2127, 15.1129, 16.4052



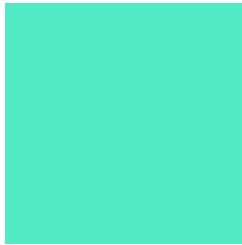
19.5069, 10.0054, 3.2047



1.5684, 0.8003, 0.4448

Previews

White Background



This preview shows how the XYZ color 42.6966, 64.1029, 62.9461 looks on a white background.

Color Contrast Check

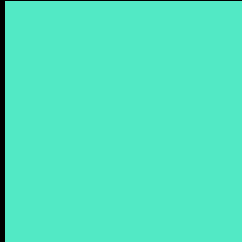
Large Text (above 18pt) WCAG AA × Fail

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 42.6966, 64.1029, 62.9461 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

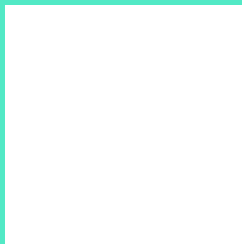
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6966, 64.1029, 62.9461

Background



This preview shows how black text looks on a background with the XYZ color 42.6966, 64.1029, 62.9461.



This preview shows how white text looks on a background with the XYZ color 42.6966, 64.1029, 62.9461.

62.9461.

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

42.6966, 64.1029, 62.9461

Protanopia

59.4753, 62.7963, 53.7859

Deuteranopia

64.0988, 62.7909, 65.8682



Tritanopia

49.1573, 63.8101, 96.1119

Trichromacy



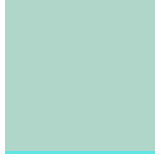
Original Color

42.6966, 64.1029, 62.9461



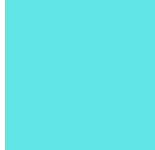
Protanomaly

49.7814, 61.0674, 56.7404



Deuteranomaly

52.2414, 61.0357, 64.2860



Tritanomaly

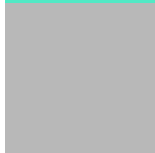
46.7422, 64.0730, 83.3025

Monochromacy



Original Color

42.6966, 64.1029, 62.9461



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.3385, 52.1182, 55.9725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6966, 64.1029, 62.9461 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(82, 233, 197)` looks like.

```
.text, #text, p{  
    color:rgb(82, 233, 197)  
}
```

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(82, 233, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 233, 197) }
```

Border

The CSS property to change the border of an element to XYZ 42.6966, 64.1029, 62.9461 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(82, 233, 197) }
```


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

```
.border{ border-color:rgb(82, 233, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 233, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 233, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 233, 197);  
box-shadow:4px 4px 4px 4px rgb(82, 233,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6966, 64.1029, 62.9461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 233, 197) }
```

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

```
.background{ background-color: rgb(82, 233,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor