

Converting Colors

XYZ(42.6286, 64.1635, 60.5556)

Have a look what the booklet for
XYZ(42.6286, 64.1635, 60.5556)
contains.

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Color

**XYZ(42.6023, 64.1065,
60.5805)**

Conversions

Conversions Part 1

Format	Color
Hex	56E9C1
RGB	86, 233, 193
RGB Percent	34%, 91%, 76%
CMY	0.6627, 0.0863, 0.2431
CMYK	0.63, 0.00, 0.17, 0.09
HSL	164°, 77%, 63%
HSV	164°, 63%, 91%
XYZ	42.6023, 64.1065, 60.5805
YIQ	184.4870, -74.7720, -43.6040

Conversions

Conversions Part 2

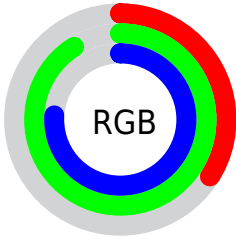
Format	Color
RYB	86, 171, 233
Decimal	5695937
CIELab	84.02, -48.48, 7.95
CIELCh	84, 49.124, 170.681
Yxy	64.1065, 0.2547, 0.3832
Android (android.graphics.Color)	4283886017 (0xFF56E9C1)
YUV	184.4870, 4.1969, -86.3731
Hunter-Lab	80.0665, -45.1390, 11.1862

Details

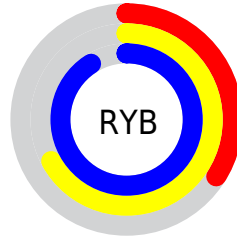
The XYZ color **42.6023, 64.1065, 60.5805** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **40.7001, 25.4872, 22.5155**, and the grayscale version is **45.8382, 48.2253, 52.5174**.

A 20% lighter version of the original color is **65.2533, 84.7491, 102.5415**, and **20.2590, 32.9441, 30.1020** is the 20% darker color. If you saturate the color by 10%, you get **40.1045, 62.9004, 56.8511**, and if you desaturate by 10%, it is **45.8330, 65.6901, 64.5054**.

Distribution



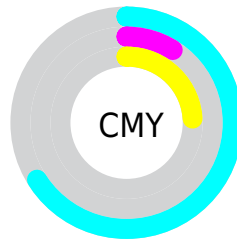
- Red (34%)
- Green (91%)
- Blue (76%)



- Red (34%)
- Yellow (67%)
- Blue (91%)



- Cyan (63%)
- Magenta (0%)
- Yellow (17%)
- Black (9%)





- Cyan (66%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6023, 64.1065, 60.5805 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 42.6023, 64.1065, 60.5805 by changing the saturation by 10% instead.


 42.6023, 64.1065,
60.5805


 42.6023, 64.1065,
60.5805


347.9230,
439.5741, 444.5981

 29.7664, 46.7369,
43.4584


 78.3698, 110.7643,
107.2229


 19.8085, 32.8277,
29.9108


 102.0321,
140.8213, 137.5802

 12.3634, 21.9945,
19.5195


 130.0339,
175.8763, 173.1864

 7.0656, 13.8529,
11.8656

 162.7406,
216.3136, 214.4599

 3.5499, 8.0184,
6.5308

200.5175,
262.5177, 261.8192

 1.4508, 4.1067,
3.0965

243.7299,

 0.2920, 1.7334,

314.8728, 315.6830

1.1441

292.7433,
373.7635, 376.4698

■ 0.0000, 0.4452,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6023, 64.1065,
60.5805

■ 42.6023, 64.1065,
60.5805

■ 40.1045, 62.9004,
56.8511

■ 45.8330, 65.6901,
64.5054

■ 38.2630, 62.0276,
53.3074


■ 49.8529, 67.6754,
68.6260


■ 36.9935, 61.4463,
49.9448


■ 54.7188, 70.0932,
72.9484


■ 36.3577, 61.1671,
47.7212


■ 60.4809, 72.9694,
77.4767

 67.1850, 76.3276,
82.2150

 74.8739, 80.1897,
87.1669

 83.5880, 84.5766,
92.3362

 86.6677, 86.0551,
97.4130

 87.6459, 86.4464,
102.5643

Harmonies

Analogous

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



46.1966, 64.1065, 38.4160



42.6023, 64.1065, 60.5805



43.4486, 64.1065, 93.0580

Triad

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



42.6023, 64.1065, 60.5805



68.5871, 64.1065, 141.8020



75.1047, 64.1065, 33.0763

Complementary

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



42.6023, 64.1065, 60.5805



40.7001, 25.4872, 22.5155

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.



82.5685, 64.1065, 50.7828



42.6023, 64.1065, 60.5805



78.5069, 64.1065, 114.8308

Square

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



42.6023, 64.1065, 60.5805



57.6204, 64.1065, 146.7615



83.8824, 64.1065, 79.9128



64.3667, 64.1065, 25.9338

Rectangle

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



42.6023, 64.1065, 60.5805



46.4617, 64.1065, 116.3512



83.8824, 64.1065, 79.9128



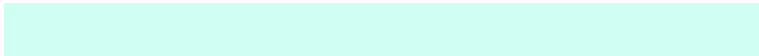
78.1306, 64.1065, 37.6911

Sweetspot

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



42.6041, 64.1090, 60.5820



77.3659, 91.1204, 97.3696



39.6702, 63.5144, 18.9739



16.0711, 19.2591, 20.4873



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.



42.6041, 64.1090, 60.5820



48.3886, 76.7952, 68.3127



39.4694, 49.7073, 84.6079



15.3326, 17.0479, 18.4343



20.6840, 34.7281, 27.3646



1.6642, 2.7430, 2.3593

Inverse Universe

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



40.7001, 25.4872, 22.5155



45.9532, 25.8324, 18.4652



41.7468, 30.9190, 12.5729



15.2338, 15.1214, 16.5167



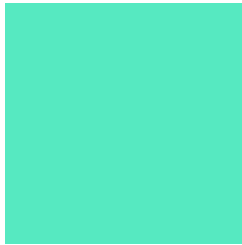
19.6278, 10.0538, 3.8416



1.5805, 0.8052, 0.5082

Previews

White Background



This preview shows how the XYZ color 42.6023, 64.1065, 60.5805 looks on a white background.

Color Contrast Check

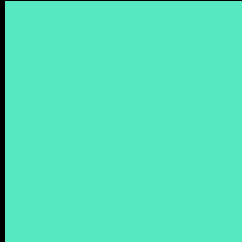
Large Text (above 18pt) WCAG AA × Fail

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 42.6023, 64.1065, 60.5805 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

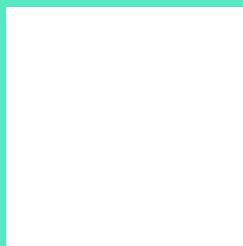
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6023, 64.1065, 60.5805

Background



This preview shows how black text looks on a background with the XYZ color 42.6023, 64.1065, 60.5805.



This preview shows how white text looks on a background with the XYZ color 42.6023, 64.1065, 60.5805.

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

42.6023, 64.1065, 60.5805

Protanopia

59.4645, 62.8264, 52.1726

Deuteranopia

64.2670, 62.9323, 63.4035



Tritanopia

49.4693, 63.9885, 95.3317

Trichromacy



Original Color

42.6023, 64.1065, 60.5805



Protanomaly

49.8904, 61.1606, 55.0746



Deuteranomaly

52.2324, 61.0847, 61.8609



Tritanomaly

46.7555, 64.1275, 81.1477

Monochromacy



Original Color

42.6023, 64.1065, 60.5805



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.3029, 52.1248, 54.8452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6023, 64.1065, 60.5805 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(86, 233, 193)` looks like.

```
.text, #text, p{  
    color:rgb(86, 233, 193)  
}
```

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(86, 233, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 233, 193) }
```

Border

The CSS property to change the border of an element to XYZ 42.6023, 64.1065, 60.5805 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(86, 233, 193) }
```


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

```
.border{ border-color:rgb(86, 233, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 233, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 233, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 233, 193);  
box-shadow:4px 4px 4px 4px rgb(86, 233,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6023, 64.1065, 60.5805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 233, 193) }
```

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

```
.background{ background-color: rgb(86, 233,  
193) }
```

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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