

Converting Colors

XYZ(42.7978, 66.2742, 47.2035)

Have a look what the booklet for
XYZ(42.7978, 66.2742, 47.2035)
contains.

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Color

**XYZ(42.7387, 66.1832,
47.0813)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66EDA7 |
| RGB | 102, 237, 167 |
| RGB Percent | 40%, 93%, 65% |
| CMY | 0.6000, 0.0706, 0.3451 |
| CMYK | 0.57, 0.00, 0.30, 0.07 |
| HSL | 149°, 79%, 66% |
| HSV | 149°, 57%, 93% |
| XYZ | 42.7387, 66.1832, 47.0813 |
| YIQ | 188.6550, -57.9900, -50.3900 |

Conversions

Conversions Part 2

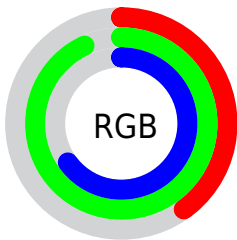
| Format | Color |
|-------------------------------------|--|
| RYB | 102, 193, 237 |
| Decimal | 6745511 |
| CIELab | 85.09, -52.67, 23.06 |
| CIELCh | 85, 57.499, 156.361 |
| Yxy | 66.1832, 0.2740, 0.4242 |
| Android (android.graphics.Color) | 4284935591 (0xFF66EDA7) |
| YUV | 188.6550, -10.6759, -75.9964 |
| Hunter-Lab | 81.3531, -48.5932, 22.6344 |

Details

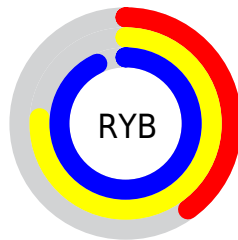
The XYZ color **42.7387, 66.1832, 47.0813** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **47.1249, 30.4872, 42.4328**, and the grayscale version is **48.2569, 50.7700, 55.2885**.

A 20% lighter version of the original color is **63.8451, 84.4753, 82.0476**, and **19.8947, 34.1272, 21.7583** is the 20% darker color. If you saturate the color by 10%, you get **39.3444, 64.5603, 41.2718**, and if you desaturate by 10%, it is **47.0121, 68.2504, 53.4984**.

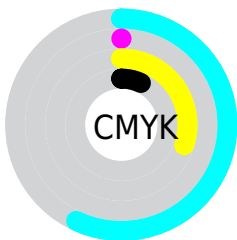
Distribution



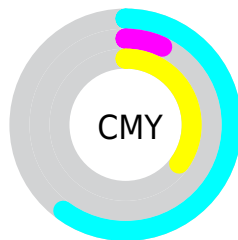
- Red (40%)
- Green (93%)
- Blue (65%)



- Red (40%)
- Yellow (76%)
- Blue (93%)



- Cyan (57%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)





- Cyan (60%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7387, 66.1832, 47.0813 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 42.7387, 66.1832, 47.0813 by changing the saturation by 10% instead.


 42.7387, 66.1832,
47.0813


 42.7387, 66.1832,
47.0813


348.4758,
447.0318, 391.5421


 29.8738, 48.4211,
32.7451


 78.5746, 113.7492,
87.1862

 19.8904, 34.1605,
21.6617


 102.2762,
144.3220, 113.7920

 12.4232, 23.0169,
13.4126


 130.3209,
179.9338, 145.3248

 7.1068, 14.6060,
7.5792

163.0738,
220.9690, 182.2031

 3.5759, 8.5433,
3.7430

200.9004,
267.8120, 224.8454

 1.4651, 4.4445,
1.4855

244.1661,

 0.3019, 1.9252,

320.8472, 273.6704

0.2071

293.2361,
380.4590, 329.0964

■ 0.0000, 0.5635,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7387, 66.1832,
47.0813

■ 42.7387, 66.1832,
47.0813

■ 39.3444, 64.5603,
41.2718

■ 47.0121, 68.2504,
53.4984

■ 36.7536, 63.3376,
36.0466


■ 52.2216, 70.7856,
60.5366


■ 34.8858, 62.4759,
31.3868


■ 58.4254, 73.8203,
68.2145

■ 33.6364, 61.9216,
27.2706


■ 65.6754, 77.3809,
76.5484

 33.3290, 61.7883,
26.1226

 74.0195, 81.4917,
85.5540

 83.5029, 86.1759,
95.2466

 89.2594, 88.9244,
105.4110

 89.5754, 89.0509,
107.0751

Harmonies

Analogous

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



49.2660, 66.1832, 28.5359



42.7387, 66.1832, 47.0813



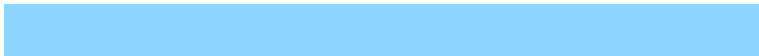
41.2597, 66.1832, 80.2565

Triad

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



42.7387, 66.1832, 47.0813



65.7048, 66.1832, 168.7215



85.1657, 66.1832, 37.5098

Complementary

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



42.7387, 66.1832, 47.0813



47.1249, 30.4872, 42.4328

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.



91.0422, 66.1832, 64.4457



42.7387, 66.1832, 47.0813



78.8545, 66.1832, 146.1046

Square

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



42.7387, 66.1832, 47.0813



53.4389, 66.1832, 159.1317



88.5872, 66.1832, 104.6087



73.4280, 66.1832, 24.4834

Rectangle

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



42.7387, 66.1832, 47.0813



43.1263, 66.1832, 108.5954



88.5872, 66.1832, 104.6087



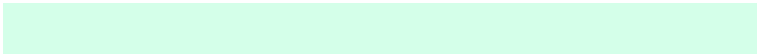
87.9605, 66.1832, 44.8068

Sweetspot

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



42.7404, 66.1859, 47.0828



77.4503, 91.3210, 90.2778



50.1401, 70.5293, 23.5418



16.1867, 19.3542, 18.8852



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.



42.7404, 66.1859, 47.0828



46.0045, 76.0158, 47.8869



50.4024, 69.2507, 87.4302



15.1704, 16.9830, 17.5803



18.2613, 33.7590, 14.6071



1.4824, 2.6703, 1.4019

Inverse Universe

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



47.1249, 30.4872, 42.4328



51.6269, 30.1943, 41.8917



42.3058, 28.5596, 17.0558



15.3916, 15.1845, 17.3476



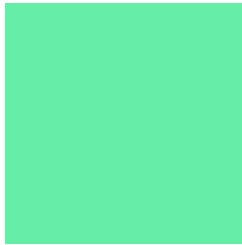
21.0827, 10.6358, 11.5030



1.7041, 0.8546, 1.1592

Previews

White Background



This preview shows how the XYZ color 42.7387, 66.1832, 47.0813 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 42.7387, 66.1832, 47.0813 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 42.7387, 66.1832, 47.0813

Background



This preview shows how black text looks on a background with the XYZ color 42.7387, 66.1832, 47.0813.



This preview shows how white text looks on a background with the XYZ color 42.7387, 66.1832,

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

42.7387, 66.1832, 47.0813

Protanopia

60.5747, 65.1238, 40.3879

Deuteranopia

66.4020, 65.0401, 49.6117



Tritanopia

52.5547, 65.9664, 96.3491

Trichromacy



Original Color

42.7387, 66.1832, 47.0813



Protanomaly

50.9073, 63.5134, 42.3771



Deuteranomaly

53.4851, 62.7859, 48.3297



Tritanomaly

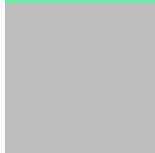
48.4364, 65.9435, 75.8211

Monochromacy



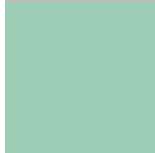
Original Color

42.7387, 66.1832, 47.0813



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.3164, 54.6469, 51.9282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7387, 66.1832, 47.0813 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(102, 237, 167)` looks like.

```
.text, #text, p{  
    color:rgb(102, 237, 167)  
}
```

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(102, 237, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 237, 167) }
```

Border

The CSS property to change the border of an element to XYZ 42.7387, 66.1832, 47.0813 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(102, 237, 167) }
```


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

```
.border{ border-color:rgb(102, 237, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 237, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 237, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 237, 167);  
box-shadow:4px 4px 4px 4px rgb(102, 237,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7387, 66.1832, 47.0813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 237, 167) }
```

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

```
.background{ background-color: rgb(102,  
237, 167) }
```

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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