

Converting Colors

XYZ(42.6165, 62.0957, 26.7683)

Have a look what the booklet for
XYZ(42.6165, 62.0957, 26.7683)
contains.

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Color

**XYZ(42.4990, 61.9038,
26.8482)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 93E276 |
| RGB | 147, 226, 118 |
| RGB Percent | 58%, 89%, 46% |
| CMY | 0.4235, 0.1137, 0.5372 |
| CMYK | 0.35, 0.00, 0.48, 0.11 |
| HSL | 104°, 65%, 67% |
| HSV | 104°, 48%, 89% |
| XYZ | 42.4990, 61.9038, 26.8482 |
| YIQ | 190.0670, -12.4160, -50.3360 |

Conversions

Conversions Part 2

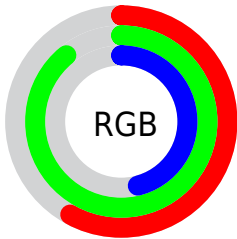
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 118, 226, 197 |
| Decimal | 9691766 |
| CIELab | 82.86, -43.79, 45.04 |
| CIElCh | 83, 62.817, 134.195 |
| Yxy | 61.9038, 0.3238, 0.4716 |
| Android (android.graphics.Color) | 4287881846 (0xFF93E276) |
| YUV | 190.0670, -35.5290, -37.7698 |
| Hunter-Lab | 78.6790, -41.2702, 34.8433 |

Details

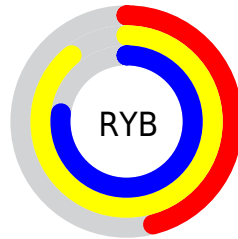
The XYZ color **42.4990, 61.9038, 26.8482** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **43.2347, 30.3201, 75.5286**, and the grayscale version is **49.1869, 51.7485, 56.3541**.

A 20% lighter version of the original color is **68.1082, 87.3359, 52.2976**, and **19.7717, 31.4181, 10.1765** is the 20% darker color. If you saturate the color by 10%, you get **38.5594, 60.0118, 20.4738**, and if you desaturate by 10%, it is **47.1895, 64.1495, 34.9398**.

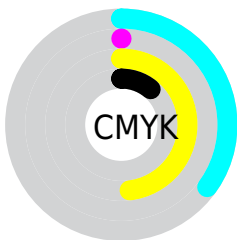
Distribution



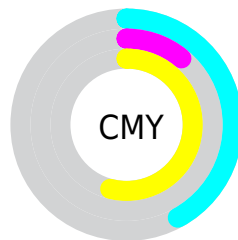
- Red (58%)
- Green (89%)
- Blue (46%)



- Red (46%)
- Yellow (89%)
- Blue (77%)



- Cyan (35%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)





- Cyan (42%)
- Magenta (11%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4990, 61.9038, 26.8482 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 42.4990, 61.9038, 26.8482 by changing the saturation by 10% instead.


 42.4990, 61.9038,
26.8482

 42.4990, 61.9038,
26.8482


347.5039,
431.5801, 300.6583

 29.6850, 44.9550,
17.2278


 78.2147, 107.5865,
55.6410

 19.7465, 31.4220,
10.2334


 101.8472,
137.0891, 75.6504

 12.3181, 20.9204,
5.4463


 129.8165,
171.5452, 99.9600

 7.0345, 13.0658,
2.4482

162.4881,
211.3390, 128.9882

 3.5302, 7.4739,
0.8125

200.2273,
256.8550, 163.1536

 1.4399, 3.7602,
0.0000

243.3994,

 0.2844, 1.5403,

308.4776, 202.8747

0.0000

292.3698,
366.5912, 248.5701

■ 0.0000, 0.3169,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4990, 61.9038,
26.8482

■ 42.4990, 61.9038,
26.8482

■ 38.5594, 60.0118,
20.4738

■ 47.1895, 64.1495,
34.9398

■ 35.3247, 58.4468,
15.6885


■ 52.6644, 66.7581,
44.8560


■ 32.7505, 57.1909,
12.3533


■ 58.9605, 69.7482,
56.7006


■ 30.7848, 56.2209,
10.3029


■ 66.1110, 73.1349,
70.5680

 29.3615, 55.5076,
9.3101

 74.1472, 76.9323,
86.5466

 29.1025, 55.3773,
9.1550

 83.0985, 81.1540,
104.7197

 86.4876, 82.8753,
106.0459

Harmonies

Analogous

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



52.6847, 61.9038, 17.8957



42.4990, 61.9038, 26.8482



37.1845, 61.9038, 49.0757

Triad

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



42.4990, 61.9038, 26.8482



52.0316, 61.9038, 167.5362



87.8401, 61.9038, 50.7300

Complementary

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



42.4990, 61.9038, 26.8482



43.2347, 30.3201, 75.5286

Split Complementary

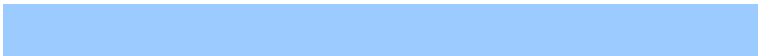
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5932, 61.9038, 89.8040



42.4990, 61.9038, 26.8482



65.4521, 61.9038, 168.5321

Square

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



42.4990, 61.9038, 26.8482



42.0844, 61.9038, 133.8396



78.9044, 61.9038, 136.1912



79.5344, 61.9038, 27.6573

Rectangle

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



42.4990, 61.9038, 26.8482



36.5155, 61.9038, 73.0028



78.9044, 61.9038, 136.1912



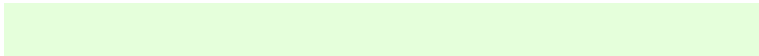
88.7902, 61.9038, 62.0966

Sweetspot

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



42.5005, 61.9065, 26.8496



80.8622, 93.2894, 80.9699



54.2415, 56.6892, 25.2237



16.8835, 19.7667, 16.5135



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.



42.5005, 61.9065, 26.8496



50.8907, 78.9972, 27.2179



39.5070, 60.1822, 34.8910



13.8723, 15.5143, 14.5702



16.6990, 31.6411, 5.2272



1.2416, 2.2365, 0.3663

Inverse Universe

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



43.2347, 30.3201, 75.5286



51.8997, 32.8916, 98.2210



48.5767, 33.4200, 60.1435



13.9173, 13.7409, 17.3064



16.8406, 7.7770, 41.6619



1.2511, 0.5822, 2.8917

Previews

White Background



This preview shows how the XYZ color 42.4990, 61.9038, 26.8482 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 42.4990, 61.9038, 26.8482 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 42.4990, 61.9038, 26.8482

Background



This preview shows how black text looks on a background with the XYZ color 42.4990, 61.9038, 26.8482.

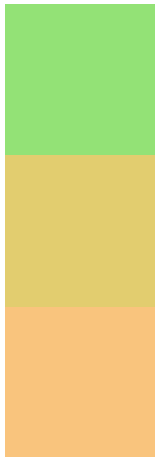


This preview shows how white text looks on a background with the XYZ color 42.4990, 61.9038,

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

42.4990, 61.9038, 26.8482

Protanopia

56.0646, 60.9791, 23.8541

Deuteranopia

62.5085, 61.1003, 27.9010



Tritanopia

53.8031, 61.4087, 83.8802

Trichromacy



Original Color

42.4990, 61.9038, 26.8482



Protanomaly

49.8575, 60.6737, 25.0030



Deuteranomaly

52.9771, 60.0278, 27.2067



Tritanomaly

48.5548, 61.1879, 57.3954

Monochromacy



Original Color

42.4990, 61.9038, 26.8482



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.5123, 54.3909, 43.2217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4990, 61.9038, 26.8482 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(147, 226, 118)` looks like.

```
.text, #text, p{  
    color:rgb(147, 226, 118)  
}
```

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(147, 226, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 226, 118) }
```

Border

The CSS property to change the border of an element to XYZ 42.4990, 61.9038, 26.8482 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(147, 226, 118) }
```


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

```
.border{ border-color:rgb(147, 226, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 226, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 226, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 226, 118); box-shadow:4px 4px 4px 4px rgb(147, 226, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4990, 61.9038, 26.8482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 226, 118) }
```

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

```
.background{ background-color: rgb(147,  
226, 118) }
```

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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