

Converting Colors

XYZ(66.6682, 85.4008,
106.1167)

Have a look what the booklet for
XYZ(66.6682, 85.4008, 106.1167)
contains.

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Color

**XYZ(66.6265, 85.3842,
105.8977)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFFD
RGB	153, 255, 253
RGB Percent	60%, 100%, 99%
CMY	0.4000, 0.0000, 0.0078
CMYK	0.40, 0.00, 0.01, 0.00
HSL	179°, 100%, 80%
HSV	179°, 40%, 100%
XYZ	66.6265, 85.3842, 105.8977
YIQ	224.2740, -60.1500, -22.2460

Conversions

Conversions Part 2

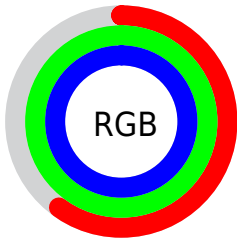
Format	Color
RYB	153, 205, 255
Decimal	10092541
CIELab	94.05, -30.19, -8.42
CIELCh	94, 31.338, 195.579
Yxy	85.3842, 0.2583, 0.3311
Android (android.graphics.Color)	4288282621 (0xFF99FFFD)
YUV	224.2740, 14.1619, -62.5073
Hunter-Lab	92.4036, -33.0009, -3.2659

Details

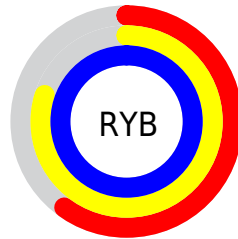
The XYZ color **66.6265, 85.3842, 105.8977** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.5485, 46.4105, 36.8838**, and the grayscale version is **70.9804, 74.6769, 81.3231**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **34.8772, 46.8066, 59.4209** is the 20% darker color. If you saturate the color by 10%, you get **62.2381, 83.1310, 105.2788**, and if you desaturate by 10%, it is **72.0456, 88.1686, 106.5688**.

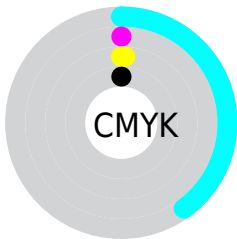
Distribution



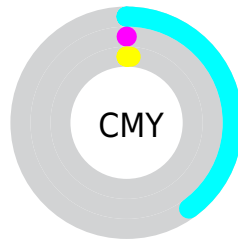
- Red (60%)
- Green (100%)
- Blue (99%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6265, 85.3842, 105.8977 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 66.6265, 85.3842, 105.8977 by changing the saturation by 10% instead.

66.6265, 85.3842,
105.8977

66.6265, 85.3842,
105.8977

438.0675,
512.8985, 600.3477

49.0507, 64.1589,
80.5908

113.4378,
140.9098, 171.3609

34.8744, 46.7794,
59.6756

143.4041,
175.9789, 212.3543

23.7322, 32.8613,
42.7336

178.2312,
216.4314, 259.4136

15.2588, 22.0202,
29.3463

218.2846,
262.6517, 312.9574

9.0887, 13.8717,
19.0951

263.9296,
315.0242, 373.4041

4.8567, 8.0315,
11.5615

315.5315,

2.1973, 4.1151,

373.9332, 441.1724

6.3270

373.4557,
439.7632, 516.6807

■ 0.7413, 1.7382,
2.9729

■ 0.0000, 0.4482,
1.0808

■ 66.6265, 85.3842,
105.8977

■ 66.6265, 85.3842,
105.8977

■ 62.2381, 83.1310,
105.2788

■ 72.0456, 88.1686,
106.5688

■ 58.8111, 81.3735,
104.7046

■ 78.5526, 91.5138,
107.2905

■ 56.2727, 80.0740,
104.1730

■ 86.2039, 95.4490,
108.0668

■ 54.5386, 79.1892,
103.6801

95.0500, 100.0000,
108.9000

■ 53.5079, 78.6669,
103.2213

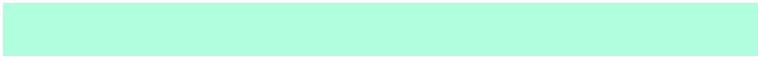
■ 53.0160, 78.4224,
102.7888

■ 53.0160, 78.4224,
102.7887

Harmonies

Analogous

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



66.5527, 85.3842, 81.9623



66.6265, 85.3842, 105.8977



70.4097, 85.3842, 129.9034

Triad

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



66.6265, 85.3842, 105.8977



93.1937, 85.3842, 129.0817



85.2271, 85.3842, 55.1109

Complementary

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



66.6265, 85.3842, 105.8977



58.5485, 46.4105, 36.8838

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.



92.9417, 85.3842, 63.7966



66.6265, 85.3842, 105.8977



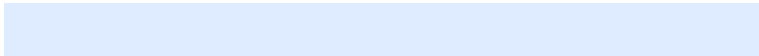
97.7510, 85.3842, 104.9192

Square

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



66.6265, 85.3842, 105.8977



85.5521, 85.3842, 144.7756



97.6557, 85.3842, 81.1377



76.9114, 85.3842, 55.2812

Rectangle

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



66.6265, 85.3842, 105.8977



74.6852, 85.3842, 141.5370



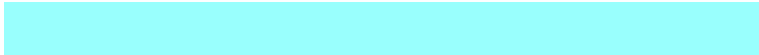
97.6557, 85.3842, 81.1377



87.9883, 85.3842, 57.0165

Sweetspot

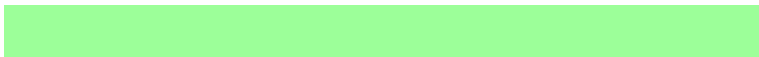
The Sweet Spot groups the original color and five complimentary colors.



66.6276, 85.3847, 105.8992



84.5782, 94.6127, 107.9069



55.2988, 80.9284, 42.8450



17.8816, 20.1370, 23.0744



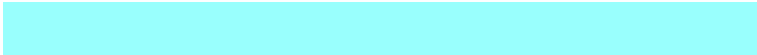
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

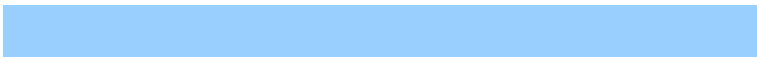
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.6276, 85.3847, 105.8992



63.0361, 83.5406, 105.3990



53.5980, 58.8134, 103.1349



18.5386, 20.4750, 23.1393



27.7090, 40.9802, 53.7461



2.7026, 3.9920, 5.2579

Inverse Universe

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



58.5485, 46.4105, 36.8838



53.9459, 39.6749, 27.7357



67.7842, 65.1481, 39.1411



18.0238, 17.9928, 18.7426



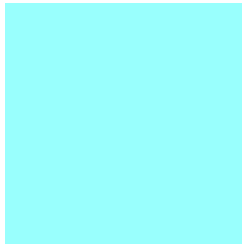
21.5693, 11.1170, 1.1166



2.1050, 1.0844, 0.1342

Previews

White Background



This preview shows how the XYZ color 66.6265, 85.3842, 105.8977 looks on a white background.

Color Contrast Check

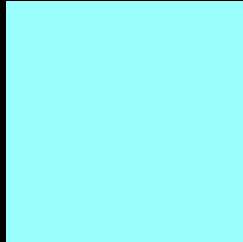
Large Text (above 18pt) WCAG AA × Fail

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 66.6265, 85.3842, 105.8977 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

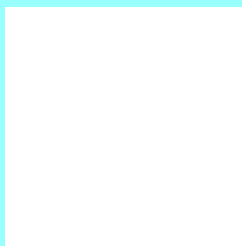
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.6265, 85.3842, 105.8977

Background



This preview shows how black text looks on a background with the XYZ color 66.6265, 85.3842, 105.8977.

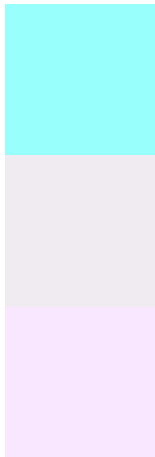


This preview shows how white text looks on a background with the XYZ color 66.6265, 85.3842,

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

66.6265, 85.3842, 105.8977

Protanopia

81.1821, 84.1183, 95.1768

Deuteranopia

85.3373, 84.3283, 106.3870



Tritanopia

75.0293, 84.6179, 106.9862

Trichromacy



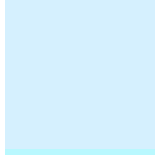
Original Color

66.6265, 85.3842, 105.8977



Protanomaly

74.2460, 83.5067, 98.5914



Deuteranomaly

76.4901, 83.6221, 105.8751



Tritanomaly

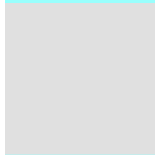
71.4644, 84.6048, 106.3297

Monochromacy



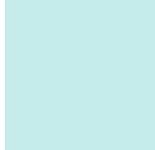
Original Color

66.6265, 85.3842, 105.8977



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.9924, 77.4206, 89.9573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6265, 85.3842, 105.8977 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(153, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 253)  
}
```

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(153, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 66.6265, 85.3842, 105.8977 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(153, 255, 253) }
```


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

```
.border{ border-color:rgb(153, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6265, 85.3842, 105.8977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 253) }
```

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

```
.background{ background-color: rgb(153,  
255, 253) }
```

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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