

Converting Colors

XYZ(60.7618, 77.8651, 86.1247)

Have a look what the booklet for
XYZ(60.7618, 77.8651, 86.1247)
contains.

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Color

**XYZ(60.5941, 77.6276,
85.9187)**

Conversions

Conversions Part 1

Format	Color
Hex	9EF4E5
RGB	158, 244, 229
RGB Percent	62%, 96%, 90%
CMY	0.3804, 0.0431, 0.1020
CMYK	0.35, 0.00, 0.06, 0.04
HSL	170°, 80%, 79%
HSV	170°, 35%, 96%
XYZ	60.5941, 77.6276, 85.9187
YIQ	216.5760, -46.4410, -22.8970

Conversions

Conversions Part 2

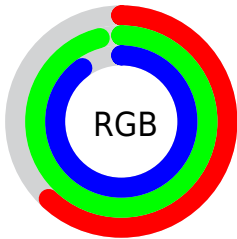
Format	Color
R _Y B	158, 205, 244
Decimal	10417381
CIE Lab	90.61, -29.20, -1.01
CIE LCh	91, 29.213, 181.974
Yxy	77.6276, 0.2703, 0.3463
Android (android.graphics.Color)	4288607461 (0xFF9EF4E5)
YUV	216.5760, 6.1250, -51.3712
Hunter-Lab	88.1065, -31.4254, 3.8568

Details

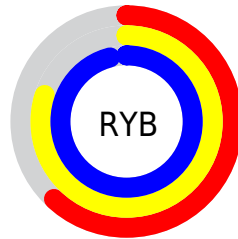
The XYZ color **60.5941, 77.6276, 85.9187** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.0806, 46.7061, 45.5449**, and the grayscale version is **65.6472, 69.0660, 75.2129**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **30.8898, 41.4214, 46.4115** is the 20% darker color. If you saturate the color by 10%, you get **55.6762, 75.1621, 82.6253**, and if you desaturate by 10%, it is **66.4839, 80.5963, 89.3370**.

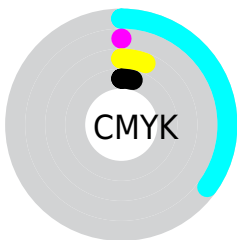
Distribution



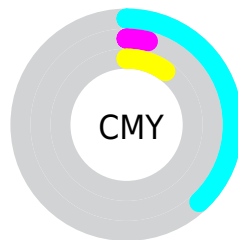
- Red (62%)
- Green (96%)
- Blue (90%)



- Red (62%)
- Yellow (80%)
- Blue (96%)



- Cyan (35%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)





- Cyan (38%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.5941, 77.6276, 85.9187 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 60.5941, 77.6276, 85.9187 by changing the saturation by 10% instead.


 60.5941, 77.6276,
85.9187


 60.5941, 77.6276,
85.9187


416.5839,
486.9012, 534.8868

 44.1490, 57.7681,
64.0462


 104.7925,
130.0250, 143.5416

 30.9861, 41.6223,
46.2417


 133.2764,
163.3318, 180.1291

 20.7400, 28.8056,
32.0866


166.5040,
201.8897, 222.4586

 13.0455, 18.9338,
21.1623

204.8405,
246.0832, 270.9488

 7.5371, 11.6225,
13.0503

248.6514,
296.2967, 326.0182

 3.8495, 6.4872,
7.3320

298.3021,

 1.6173, 3.1435,

352.9146, 388.0853

3.5890

354.1578,
416.3213, 457.5686

0.4037, 1.2071,
1.4027

0.0000, 0.0675,
0.1438

60.5941, 77.6276,
85.9187

60.5941, 77.6276,
85.9187

55.6762, 75.1621,
82.6253

66.4839, 80.5963,
89.3370

51.6667, 73.1613,
79.4483


73.3909, 84.0858,
92.8779


48.5051, 71.5960,
76.3860


81.3658, 88.1241,
96.5458

46.1204, 70.4295,
73.4345


90.2309, 92.6196,
100.3331


 44.4302, 69.6194,
70.5894

 90.8920, 92.8840,
103.8146

 43.3328, 69.1132,
67.8454

 91.5683, 93.1545,
107.3756

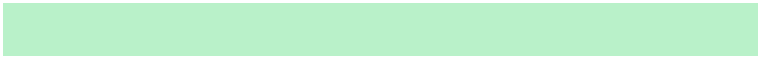
 42.9463, 68.9418,
66.5727

 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



62.0454, 77.6276, 66.9661



60.5941, 77.6276, 85.9187



62.4781, 77.6276, 107.7094

Triad

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



60.5941, 77.6276, 85.9187



81.4876, 77.6276, 123.5253



80.5941, 77.6276, 53.7068

Complementary

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



60.5941, 77.6276, 85.9187



57.0806, 46.7061, 45.5449

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.



86.3748, 77.6276, 64.9290



60.5941, 77.6276, 85.9187



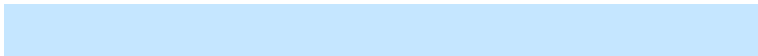
86.9142, 77.6276, 104.9086

Square

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



60.5941, 77.6276, 85.9187



74.2684, 77.6276, 131.5351



88.7583, 77.6276, 83.1430



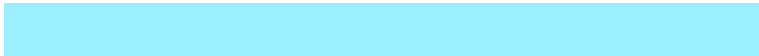
73.2992, 77.6276, 50.3059

Rectangle

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



60.5941, 77.6276, 85.9187



65.4493, 77.6276, 120.4086



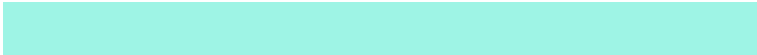
88.7583, 77.6276, 83.1430



82.7950, 77.6276, 56.5865

Sweetspot

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



60.5963, 77.6307, 85.9205



84.6948, 94.7516, 104.3553



55.9283, 76.1451, 44.0990



17.8769, 20.1535, 22.2190



0.0000, 0.0000, 0.0000



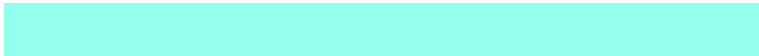
20.3446, 21.4041, 23.3091

Same Dimension

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



60.5963, 77.6307, 85.9205



63.1410, 83.8811, 92.4611



55.1848, 63.3090, 94.9028



16.8653, 18.7053, 20.5752



23.3963, 37.5034, 36.4366



2.0882, 3.3089, 3.3704

Inverse Universe

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



57.0806, 46.7061, 45.5449



58.7508, 45.1831, 41.9823



60.8802, 56.4998, 40.0461



16.6171, 16.5297, 17.7303



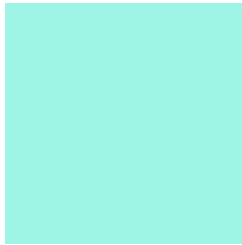
20.5534, 10.5648, 2.3564



1.8390, 0.9416, 0.3786

Previews

White Background



This preview shows how the XYZ color 60.5941, 77.6276, 85.9187 looks on a white background.

Color Contrast Check

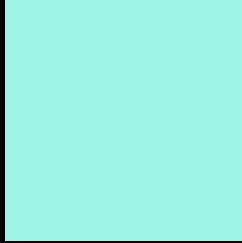
Large Text (above 18pt) WCAG AA × Fail

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 60.5941, 77.6276, 85.9187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

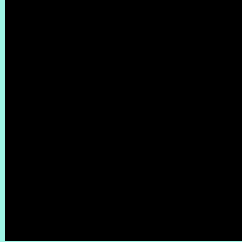
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

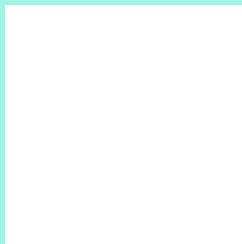
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.5941, 77.6276, 85.9187

Background



This preview shows how black text looks on a background with the XYZ color 60.5941, 77.6276, 85.9187.

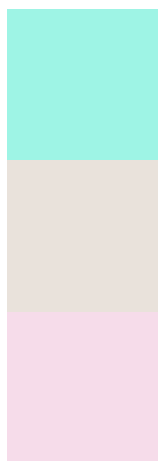


This preview shows how white text looks on a background with the XYZ color 60.5941, 77.6276,

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

60.5941, 77.6276, 85.9187

Protanopia

73.5868, 76.8308, 77.9692

Deuteranopia

78.4505, 76.7197, 88.5155



Tritanopia

66.3037, 77.4830, 106.0689

Trichromacy



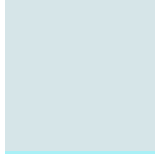
Original Color

60.5941, 77.6276, 85.9187



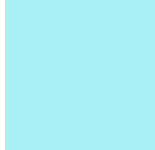
Protanomaly

67.9118, 76.7274, 81.0426



Deuteranomaly

70.3164, 76.1610, 87.3384



Tritanomaly

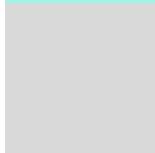
64.1568, 77.4090, 98.7488

Monochromacy



Original Color

60.5941, 77.6276, 85.9187



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.2852, 71.8944, 78.9481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.5941, 77.6276, 85.9187 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(158, 244, 229)` looks like.

```
.text, #text, p{  
    color:rgb(158, 244, 229)  
}
```

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(158, 244, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 244, 229) }
```

Border

The CSS property to change the border of an element to XYZ 60.5941, 77.6276, 85.9187 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(158, 244, 229) }
```


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

```
.border{ border-color:rgb(158, 244, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 244, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 244, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 244, 229);  
box-shadow:4px 4px 4px 4px rgb(158, 244,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 60.5941, 77.6276, 85.9187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 244, 229) }
```

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

```
.background{ background-color: rgb(158,  
244, 229) }
```

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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