

Converting Colors

XYZ(66.7381, 77.3767, 90.8468)

Have a look what the booklet for
XYZ(66.7381, 77.3767, 90.8468)
contains.

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Color

**XYZ(66.6216, 77.1234,
90.7319)**

Conversions

Conversions Part 1

Format	Color
Hex	BFECEC
RGB	191, 236, 236
RGB Percent	75%, 93%, 93%
CMY	0.2510, 0.0745, 0.0745
CMYK	0.19, 0.00, 0.00, 0.07
HSL	180°, 54%, 84%
HSV	180°, 19%, 93%
XYZ	66.6216, 77.1234, 90.7319
YIQ	222.5450, -26.8200, -9.5400

Conversions

Conversions Part 2

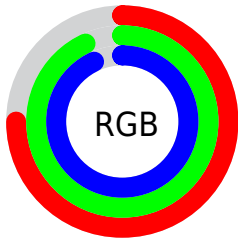
Format	Color
R_{YB}	191, 214, 236
Decimal	12578028
CIE _{Lab}	90.38, -14.38, -4.79
CIE _{LCh}	90, 15.156, 198.438
Yxy	77.1234, 0.2841, 0.3289
Android (android.graphics.Color)	4290768108 (0xFFBFECEC)
YUV	222.5450, 6.6333, -27.6650
Hunter-Lab	87.8199, -18.2719, 0.2180

Details

The XYZ color **66.6216, 77.1234, 90.7319** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6295, 58.8581, 57.3531**, and the grayscale version is **69.7864, 73.4208, 79.9552**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **34.8760, 41.2562, 49.3051** is the 20% darker color. If you saturate the color by 10%, you get **61.1585, 74.3091, 90.4766**, and if you desaturate by 10%, it is **73.0455, 80.4370, 91.0354**.

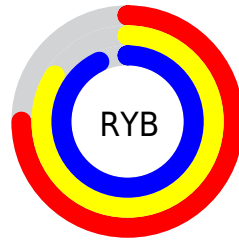
Distribution



Red (75%)

Green (93%)

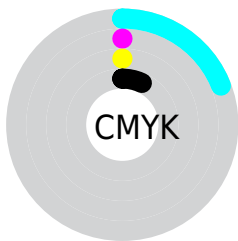
Blue (93%)



Red (75%)

Yellow (84%)

Blue (93%)

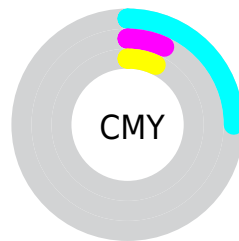


Cyan (19%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (25%)

Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6216, 77.1234, 90.7319 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 66.6216, 77.1234, 90.7319 by changing the saturation by 10% instead.

66.6216, 77.1234,
90.7319

66.6216, 77.1234,
90.7319

438.0503,
485.1847, 551.0402

49.0467, 57.3542,
68.0107

113.4308,
129.3137, 150.2990

34.8712, 41.2897,
49.4397

143.3959,
162.5035, 187.9820

23.7298, 28.5455,
34.6003

178.2218,
200.9356, 231.4894

15.2569, 18.7373,
23.0741

218.2738,
244.9944, 281.2396

9.0874, 11.4806,
14.4424

263.9173,
295.0643, 337.6513

4.8558, 6.3911,
8.2868

315.5176,

2.1968, 3.0843,

351.5298, 401.1429

4.1886

373.4402,
414.7751, 472.1330

■ 0.7410, 1.1759,
1.7294

■ 0.0000, 0.0419,
0.3807

■ 66.6216, 77.1234,
90.7319

■ 66.6216, 77.1234,
90.7319

■ 61.1585, 74.3091,
90.4766

■ 73.0455, 80.4370,
91.0354

■ 56.6039, 71.9611,
90.2622


■ 80.4661, 84.2624,
91.3839


■ 52.9103, 70.0571,
90.0881


■ 86.3781, 87.3102,
91.6618


■ 50.0237, 68.5690,
89.9518

■ 86.3784, 87.3103,
91.6631


 47.8839, 67.4659,
89.8504


 86.3786, 87.3104,
91.6644


 46.4220, 66.7123,
89.7808


 86.3788, 87.3105,
91.6656


 45.5566, 66.2662,
89.7390

 86.3791, 87.3106,
91.6669

 45.1630, 66.0633,
89.7194

 86.3793, 87.3107,
91.6681

 45.1355, 66.0491,
89.7180

 86.3795, 87.3108,
91.6694

Harmonies

Analogous

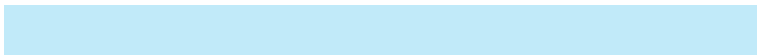
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.4101, 77.1234, 79.8704



66.6216, 77.1234, 90.7319



68.5860, 77.1234, 100.5338

Triad

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



66.6216, 77.1234, 90.7319



78.8780, 77.1234, 98.5566



74.7701, 77.1234, 65.1855

Complementary

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



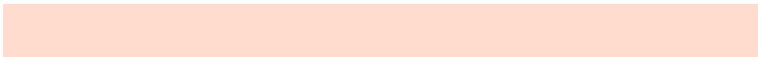
66.6216, 77.1234, 90.7319



62.6295, 58.8581, 57.3531

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.



78.2325, 77.1234, 69.3410



66.6216, 77.1234, 90.7319



80.6581, 77.1234, 88.2164

Square

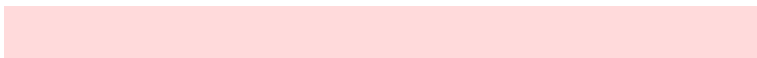
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.6216, 77.1234, 90.7319



75.6266, 77.1234, 105.3122



80.4178, 77.1234, 77.5608



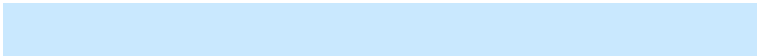
71.0285, 77.1234, 65.7328

Rectangle

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



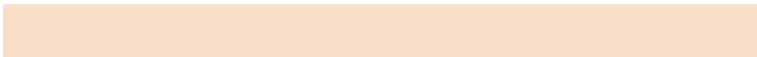
66.6216, 77.1234, 90.7319



70.6643, 77.1234, 104.8612



80.4178, 77.1234, 77.5608



76.0075, 77.1234, 66.0632

Sweetspot

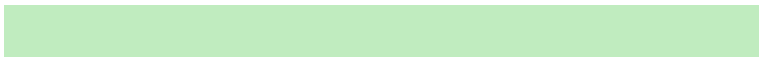
The Sweet Spot groups the original color and five complimentary colors.



66.6238, 77.1266, 90.7336



89.6432, 97.2127, 108.6461



61.0766, 74.9295, 60.5353



19.0671, 20.7455, 23.2491



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.



66.6238, 77.1266, 90.7336



76.6655, 90.5225, 108.0362



60.7382, 65.3547, 88.7740



15.5177, 17.1219, 19.4090



24.8784, 36.4058, 49.4520



1.9536, 2.8587, 3.8832

Inverse Universe

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



62.6295, 58.8581, 57.3531



71.0631, 64.8996, 61.2175



67.7302, 69.0600, 59.0517



15.0656, 15.0541, 15.6306



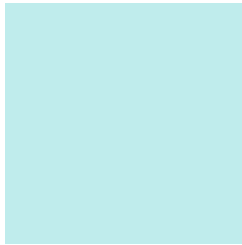
19.0679, 9.8298, 0.8927



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 66.6216, 77.1234, 90.7319 looks on a white background.

Color Contrast Check

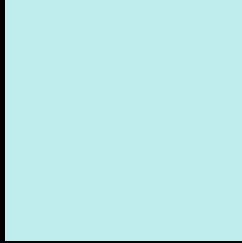
Large Text (above 18pt) WCAG AA × Fail

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 66.6216, 77.1234, 90.7319 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 66.6216, 77.1234, 90.7319

Background



This preview shows how black text looks on a background with the XYZ color 66.6216, 77.1234, 90.7319.

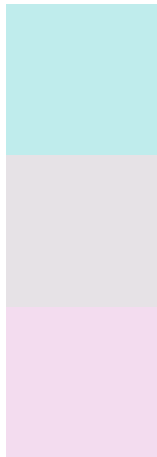


This preview shows how white text looks on a background with the XYZ color 66.6216, 77.1234,

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

66.6216, 77.1234, 90.7319

Protanopia

74.1124, 76.9289, 85.8055

Deuteranopia

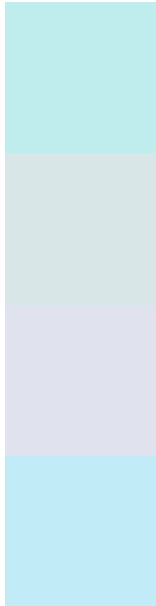
78.1353, 76.4731, 92.3040



Tritanopia

69.2416, 77.3432, 103.3748

Trichromacy



Original Color

66.6216, 77.1234, 90.7319

Protanomaly

71.1812, 77.0188, 87.4584

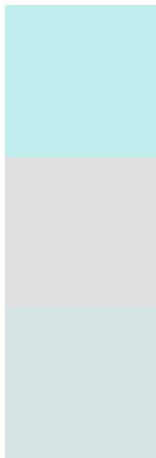
Deuteranomaly

73.3694, 76.4131, 91.7711

Tritanomaly

68.3352, 77.4079, 98.5284

Monochromacy



Original Color

66.6216, 77.1234, 90.7319

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.6110, 74.9371, 84.2469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6216, 77.1234, 90.7319 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(191, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(191, 236, 236)  
}
```

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(191, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 236, 236) }
```

Border

The CSS property to change the border of an element to XYZ 66.6216, 77.1234, 90.7319 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(191, 236, 236) }
```


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

```
.border{ border-color:rgb(191, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(191, 236,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6216, 77.1234, 90.7319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 236, 236) }
```

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

```
.background{ background-color: rgb(191,  
236, 236) }
```

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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