

# Converting Colors

XYZ(60.7728, 62.5513,  
103.4783)

Have a look what the booklet for  
XYZ(60.7728, 62.5513, 103.4783)  
contains.

<b>XYZ(60.8556, 62.7709, 103.5163)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(60.8556, 62.7709,  
103.5163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BAD0FF</code>
RGB	186, 208, 255
RGB Percent	73%, 82%, 100%
CMY	0.2706, 0.1843, 0.0000
CMYK	0.27, 0.18, 0.00, 0.00
HSL	221°, 100%, 86%
HSV	221°, 27%, 100%
XYZ	60.8556, 62.7709, 103.5163
YIQ	206.7800, -28.1990, 9.9530

# Conversions

## Conversions Part 2

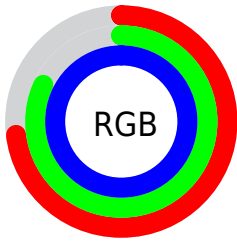
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">186, 203, 255</a>
Decimal	<a href="#">12243199</a>
CIELab	<a href="#">83.32, 2.84, -25.41</a>
CIELCh	<a href="#">83, 25.572, 276.368</a>
Yxy	<a href="#">62.7709, 0.2679, 0.2763</a>
Android (android.graphics.Color)	<a href="#">4290433279 (0xFFBAD0FF)</a>
YUV	<a href="#">206.7800, 23.7725, -18.2241</a>
Hunter-Lab	<a href="#">79.2281, -1.5422, -22.0063</a>

# Details

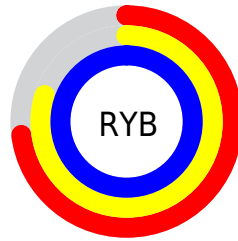
The XYZ color **60.8556, 62.7709, 103.5163** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.2419, 83.0826, 58.3162**, and the grayscale version is **59.0331, 62.1074, 67.6350**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **31.1087, 32.0137, 57.9657** is the 20% darker color. If you saturate the color by 10%, you get **51.1994, 51.8483, 101.9170**, and if you desaturate by 10%, it is **72.0846, 75.1957, 105.3227**.

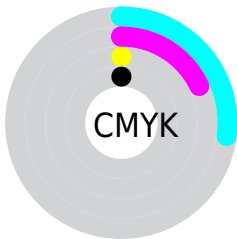
# Distribution



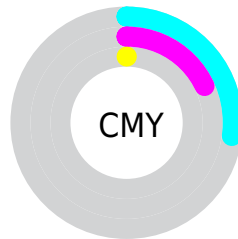
- Red (73%)
- Green (82%)
- Blue (100%)



- Red (73%)
- Yellow (80%)
- Blue (100%)



- Cyan (27%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.8556, 62.7709, 103.5163 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 60.8556, 62.7709, 103.5163 by changing the saturation by 10% instead.



■ 60.8556, 62.7709,  
103.5163

■ 60.8556, 62.7709,  
103.5163

417.5287,  
434.7376, 592.7511

■ 44.3607, 45.6559,  
78.6072

■ 105.1691,  
108.8389, 168.0749

■ 31.1533, 31.9744,  
58.0535

133.7185,  
138.5607, 208.5615

■ 20.8680, 21.3419,  
41.4367

167.0168,  
173.2536, 255.0777

■ 13.1395, 13.3742,  
28.3382

205.4293,  
213.3019, 308.0420

■ 7.6023, 7.6867,  
18.3395

249.3213,  
259.0901, 367.8729

■ 3.8912, 3.8951,  
11.0220

299.0584,

■ 1.6408, 1.6151,

311.0025, 434.9890

5.9673

355.0057,  
369.4235, 509.8089

■ 0.4188, 0.3677,  
2.7567

■ 0.0000, 0.0000,  
0.9718

■ 60.8556, 62.7709,  
103.5163

■ 60.8556, 62.7709,  
103.5163

■ 51.1994, 51.8483,  
101.9170

■ 72.0846, 75.1957,  
105.3227

■ 43.0369, 42.3606,  
100.5159

■ 84.9495, 89.1719,  
107.3423

■ 36.2901, 34.2458,  
99.3052

95.0500, 100.0000,  
108.9000

■ 30.8710, 27.4341,  
98.2760

■ 26.6812, 21.8484,  
97.4187

■ 23.6066, 17.4020,  
96.7225

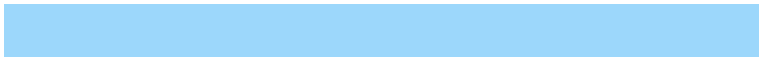
■ 21.5055, 13.9917,  
96.1749

■ 21.0157, 13.1513,  
96.0386

# Harmonies

## Analogous

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



55.4780, 62.7709, 100.4107



60.8556, 62.7709, 103.5163



66.2287, 62.7709, 96.0853

# Triad

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



60.8556, 62.7709, 103.5163



68.6914, 62.7709, 51.7509



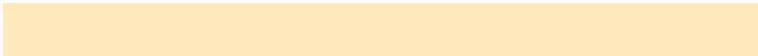
50.3934, 62.7709, 56.7931

# Complementary

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



60.8556, 62.7709, 103.5163



79.2419, 83.0826, 58.3162

# 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.



53.5441, 62.7709, 46.5376



60.8556, 62.7709, 103.5163



64.0509, 62.7709, 43.9582

# Square

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



60.8556, 62.7709, 103.5163



70.9304, 62.7709, 65.0065



58.4838, 62.7709, 42.2096



49.6549, 62.7709, 71.7996



# Rectangle

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



60.8556, 62.7709, 103.5163



69.0136, 62.7709, 86.7464



58.4838, 62.7709, 42.2096



51.1956, 62.7709, 52.7524

# Sweetspot

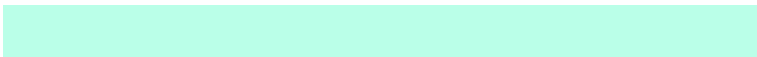
The Sweet Spot groups the original color and five complimentary colors.



60.8574, 62.7733, 103.5167



83.6654, 87.7869, 107.1427



70.5761, 87.7858, 89.5693



17.4757, 18.3231, 22.8656



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.



60.8574, 62.7733, 103.5167



55.8923, 57.1902, 102.7007



58.7674, 54.2775, 101.9870



17.4757, 18.3231, 22.8656



11.0994, 7.1084, 50.2216



1.1743, 0.8793, 4.9211



# Inverse Universe

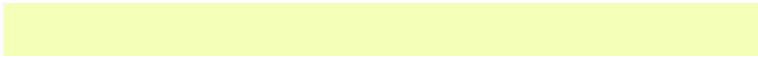
The Inverse Universe completely reimagines the original color for something new.



70.1853, 60.9335, 67.7394



66.6180, 55.4438, 61.4793



81.7584, 94.2092, 60.3313



18.2480, 18.0825, 19.9233



22.3907, 11.4456, 5.4417



2.2273, 1.1333, 0.7786



# Previews

## White Background



This preview shows how the XYZ color 60.8556, 62.7709, 103.5163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

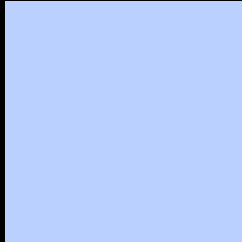
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.8556, 62.7709, 103.5163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

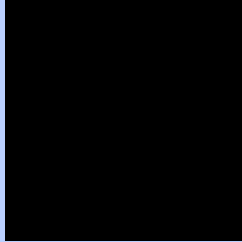
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

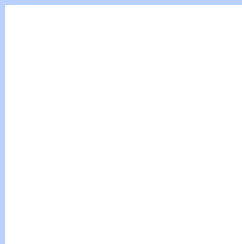
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.8556, 62.7709, 103.5163

## Background



This preview shows how black text looks on a background with the XYZ color 60.8556, 62.7709, 103.5163.



This preview shows how white text looks on a background with the XYZ color 60.8556, 62.7709,



# 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

60.8556, 62.7709, 103.5163

### Protanopia

62.3259, 62.4903, 101.7054

### Deuteranopia

64.0345, 62.6284, 103.3212



## Tritanopia

56.7424, 62.5679, 83.2149

# Trichromacy



## Original Color

60.8556, 62.7709, 103.5163

## Protanomaly

61.6989, 62.5048, 102.5787

## Deuteranomaly

62.9073, 62.7530, 103.4047

## Tritanomaly

58.2553, 62.8289, 89.9457

# Monochromacy



## Original Color

60.8556, 62.7709, 103.5163

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

59.3206, 62.1496, 79.3905

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.8556, 62.7709, 103.5163 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(186, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 208, 255)  
}
```

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(186, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 208, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 60.8556, 62.7709, 103.5163 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(186, 208, 255) }
```



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

```
.border{ border-color:rgb(186, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 208,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.8556, 62.7709, 103.5163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 208, 255) }
```

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

```
.background{ background-color: rgb(186,  
208, 255) }
```

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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