

Converting Colors

XYZ(67.2027, 87.5159, 23.0348)

Have a look what the booklet for
XYZ(67.2027, 87.5159, 23.0348)
contains.

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Color

**XYZ(67.1207, 87.4738,
23.0194)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFF5A
RGB	220, 255, 90
RGB Percent	86%, 100%, 35%
CMY	0.1373, 0.0000, 0.6470
CMYK	0.14, 0.00, 0.65, 0.00
HSL	73°, 100%, 68%
HSV	73°, 65%, 100%
XYZ	67.1207, 87.4738, 23.0194
YIQ	225.7250, 32.1050, -58.7350

Conversions

Conversions Part 2

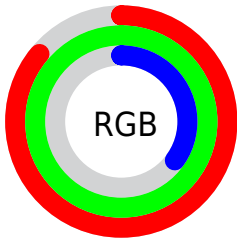
Format	Color
RYB	90, 255, 125
Decimal	14483290
CIELab	94.94, -32.93, 72.13
CIELCh	95, 79.291, 114.538
Yxy	87.4738, 0.3779, 0.4925
Android (android.graphics.Color)	4292673370 (0xFFDCFF5A)
YUV	225.7250, -66.9124, -5.0208
Hunter-Lab	93.5274, -35.5711, 50.8765

Details

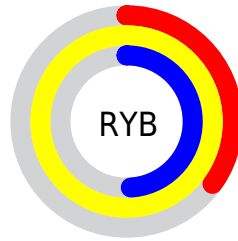
The XYZ color **67.1207, 87.4738, 23.0194** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **30.1649, 18.8937, 96.6647**, and the grayscale version is **72.5415, 76.3193, 83.1117**.

A 20% lighter version of the original color is **82.2665, 94.8866, 41.5828**, and **35.0467, 48.0271, 8.2336** is the 20% darker color. If you saturate the color by 10%, you get **64.6041, 86.2811, 18.1752**, and if you desaturate by 10%, it is **70.0627, 88.8428, 29.8283**.

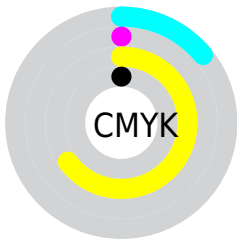
Distribution



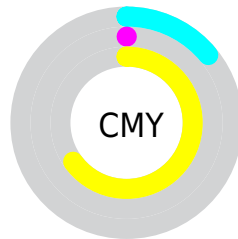
- Red (86%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (49%)



- Cyan (14%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1207, 87.4738, 23.0194 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 67.1207, 87.4738, 23.0194 by changing the saturation by 10% instead.


 67.1207, 87.4738,
23.0194

 67.1207, 87.4738,
23.0194


439.8000,
519.7785, 280.9498


 49.4538, 65.8874,
14.4024


 114.1422,
143.8244, 49.3488


 35.1956, 48.1810,
8.2591


 144.2275,
179.3573, 67.8982

 23.9808, 33.9702,
4.1711


 179.1829,
220.3078, 90.5956

 15.4440, 22.8707,
1.7197

 219.3739,
267.0603, 117.8594

 9.2200, 14.4981,
0.3741

265.1657,
319.9993, 150.1082

 4.9432, 8.4679,
0.0000

316.9238,

 2.2484, 4.3958,

379.5090, 187.7605

0.0000

375.0134,
445.9740, 231.2348

■ 0.7681, 1.8973,
0.0000

■ 0.0000, 0.5468,
0.0000

■ 67.1207, 87.4738,
23.0194

■ 67.1207, 87.4738,
23.0194

■ 64.6041, 86.2811,
18.1752

■ 70.0627, 88.8428,
29.8283

■ 62.4721, 85.2483,
15.0819

■ 73.4645, 90.4020,
38.7788

■ 60.6753, 84.3555,
13.4824

■ 77.3571, 92.1636,
50.0322

■ 59.8224, 83.9246,
13.0461

■ 81.7685, 94.1391,
63.7334

86.7244, 96.3387,
80.0153

92.2486, 98.7720,
99.0013

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



87.1402, 87.4738, 19.2980



67.1207, 87.4738, 23.0194



53.7995, 87.4738, 41.7277

Triad

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



67.1207, 87.4738, 23.0194



61.3811, 87.4738, 227.9604



131.4814, 87.4738, 106.9686

Complementary

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



67.1207, 87.4738, 23.0194



30.1649, 18.8937, 96.6647

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.



121.5822, 87.4738, 181.8138



67.1207, 87.4738, 23.0194



79.2665, 87.4738, 268.5025

Square

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



67.1207, 87.4738, 23.0194



50.9079, 87.4738, 153.3901



101.5274, 87.4738, 248.7334



126.7246, 87.4738, 54.0355

Rectangle

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



67.1207, 87.4738, 23.0194



49.3108, 87.4738, 67.0279



101.5274, 87.4738, 248.7334



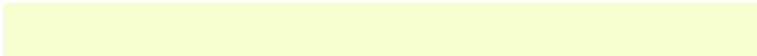
129.7126, 87.4738, 130.4397

Sweetspot

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



67.1208, 87.4739, 23.0206



84.5269, 95.3656, 72.6958



50.1692, 36.1653, 14.0105



17.7913, 20.2785, 14.5751



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.



67.1208, 87.4739, 23.0206



63.8610, 85.9238, 16.9733



48.3375, 77.7907, 22.1416



19.1618, 20.8849, 19.1656



31.3886, 43.9195, 6.8230



3.1459, 4.3225, 0.6685

Inverse Universe

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



30.1649, 18.8937, 96.6647



24.5377, 12.6710, 95.7602



47.0221, 27.5839, 97.4536



17.3631, 17.5634, 22.7249



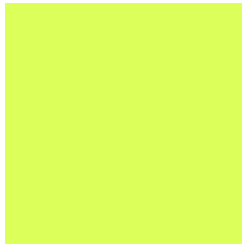
10.3289, 4.2352, 49.7077



1.0921, 0.4569, 4.8439

Previews

White Background



This preview shows how the XYZ color 67.1207, 87.4738, 23.0194 looks on a white background.

Color Contrast Check

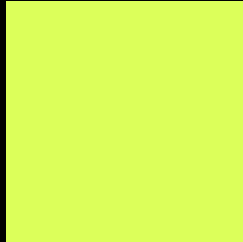
Large Text (above 18pt) WCAG AA × Fail

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 67.1207, 87.4738, 23.0194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

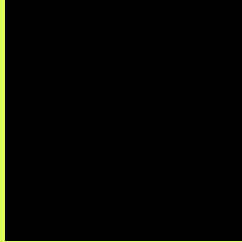
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1207, 87.4738, 23.0194

Background



This preview shows how black text looks on a background with the XYZ color 67.1207, 87.4738, 23.0194.

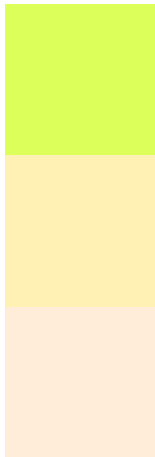


This preview shows how white text looks on a background with the XYZ color 67.1207, 87.4738,

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

67.1207, 87.4738, 23.0194

Protanopia

80.6383, 86.8755, 55.6986

Deuteranopia

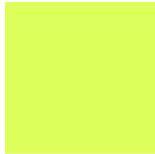
84.0486, 86.8381, 77.9772



Tritanopia

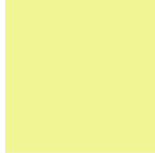
84.1764, 87.1301, 106.9890

Trichromacy



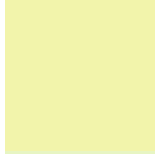
Original Color

67.1207, 87.4738, 23.0194



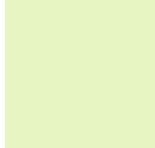
Protanomaly

74.5368, 86.2886, 40.3306



Deuteranomaly

76.3193, 86.5189, 51.2054



Tritanomaly

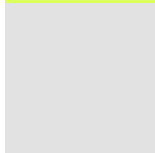
75.4577, 86.2339, 64.2975

Monochromacy



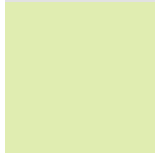
Original Color

67.1207, 87.4738, 23.0194



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.9605, 79.5900, 53.3228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1207, 87.4738, 23.0194 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(220, 255, 90)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 90)  
}
```

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(220, 255, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 90) }
```

Border

The CSS property to change the border of an element to XYZ 67.1207, 87.4738, 23.0194 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(220, 255, 90) }
```


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

```
.border{ border-color:rgb(220, 255, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1207, 87.4738, 23.0194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 90) }
```

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

```
.background{ background-color: rgb(220,  
255, 90) }
```

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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