

Converting Colors

XYZ(71.2196, 90.8861, 24.0042)

Have a look what the booklet for
XYZ(71.2196, 90.8861, 24.0042)
contains.

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Color

**XYZ(70.3249, 89.1157,
23.6198)**

Conversions

Conversions Part 1

Format	Color
Hex	E6FF5C
RGB	230, 255, 92
RGB Percent	90%, 100%, 36%
CMY	0.0980, 0.0000, 0.6392
CMYK	0.10, 0.00, 0.64, 0.00
HSL	69°, 100%, 68%
HSV	69°, 64%, 100%
XYZ	70.3249, 89.1157, 23.6198
YIQ	228.9430, 37.4230, -55.9930

Conversions

Conversions Part 2

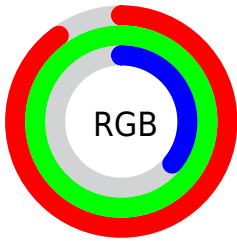
Format	Color
R _{YB}	92, 255, 117
Decimal	15138652
CIE Lab	95.63, -28.93, 72.29
CIE LCh	96, 77.865, 111.809
Yxy	89.1157, 0.3842, 0.4868
Android (android.graphics.Color)	4293328732 (0xFFE6FF5C)
YUV	228.9430, -67.5129, 0.9270
Hunter-Lab	94.4011, -32.2269, 51.2460

Details

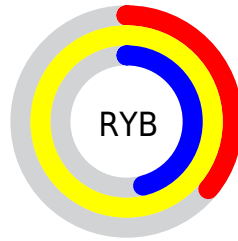
The XYZ color **70.3249, 89.1157, 23.6198** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **29.2145, 18.6576, 96.6692**, and the grayscale version is **74.8955, 78.7959, 85.8087**.

A 20% lighter version of the original color is **82.4248, 94.9499, 42.4167**, and **37.1865, 49.1252, 8.5591** is the 20% darker color. If you saturate the color by 10%, you get **68.1500, 88.1024, 18.6463**, and if you desaturate by 10%, it is **72.9031, 90.2936, 30.5719**.

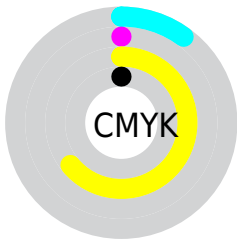
Distribution



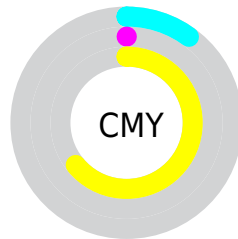
- Red (90%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (46%)



- Cyan (10%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3249, 89.1157, 23.6198 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 70.3249, 89.1157, 23.6198 by changing the saturation by 10% instead.


 70.3249, 89.1157,
23.6198

 70.3249, 89.1157,
23.6198


450.9386,
525.1500, 284.1170


 52.0720, 67.2474,
14.8422


 118.6957,
146.1095, 50.3451


 37.2870, 49.2857,
8.5634


 149.5443,
182.0037, 69.1299

 25.6045, 34.8462,
4.3646

 185.3223,
223.3422, 92.0875

 16.6591, 23.5444,
1.8274

 226.3948,
270.5091, 119.6365

 10.0855, 14.9960,
0.4459

273.1274,
323.8890, 152.1954

 5.5184, 8.8166,
0.0000

325.8853,

 2.5924, 4.6217,

383.8662, 190.1828

0.0000

385.0339,
450.8250, 234.0171

■ 0.9421, 2.0271,
0.0000

■ 0.0000, 0.6231,
0.0000

■ 70.3249, 89.1157,
23.6198

■ 70.3249, 89.1157,
23.6198

■ 68.1500, 88.1024,
18.6463

■ 72.9031, 90.2936,
30.5719

■ 66.3388, 87.2377,
15.4405

■ 75.9185, 91.6497,
39.6776

■ 64.8428, 86.5024,
13.7501

■ 79.4015, 93.1961,
51.0969

■ 64.0457, 86.1018,
13.2437

■ 83.3797, 94.9439,
64.9736

87.8782, 96.9032,
81.4397

92.9205, 99.0833,
100.6181

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.



90.6967, 89.1157, 20.9127



70.3249, 89.1157, 23.6198



56.3189, 89.1157, 40.9125

Triad

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



70.3249, 89.1157, 23.6198



61.7361, 89.1157, 222.1427



132.2710, 89.1157, 114.7968

Complementary

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



70.3249, 89.1157, 23.6198



29.2145, 18.6576, 96.6692

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.



121.3060, 89.1157, 189.5788



70.3249, 89.1157, 23.6198



78.9770, 89.1157, 266.5070

Square

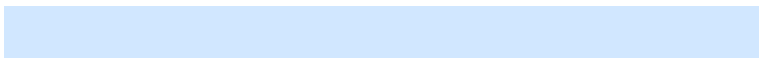
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3249, 89.1157, 23.6198



51.9725, 89.1157, 147.6893



100.9156, 89.1157, 252.5823



128.9032, 89.1157, 59.5263

Rectangle

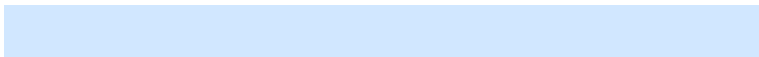
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3249, 89.1157, 23.6198



51.3340, 89.1157, 64.7141



100.9156, 89.1157, 252.5823



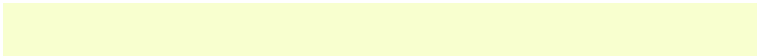
130.0815, 89.1157, 138.6368

Sweetspot

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



70.3250, 89.1157, 23.6210



85.5261, 95.8807, 72.7426



49.4699, 34.6287, 14.2031



18.0357, 20.4045, 14.5865



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.



70.3250, 89.1157, 23.6210



67.5553, 87.8210, 17.4808



50.0962, 78.6874, 22.6743



19.2714, 20.9413, 19.1707



33.5685, 45.0433, 6.9250



3.3391, 4.4221, 0.6776

Inverse Universe

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



29.2145, 18.6576, 96.6692



23.6935, 12.4244, 95.7571



45.1536, 26.8745, 97.4152



17.2623, 17.5115, 22.7202



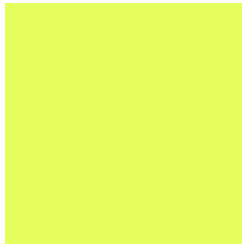
9.9477, 4.0387, 49.6898



1.0407, 0.4304, 4.8415

Previews

White Background



This preview shows how the XYZ color 70.3249, 89.1157, 23.6198 looks on a white background.

Color Contrast Check

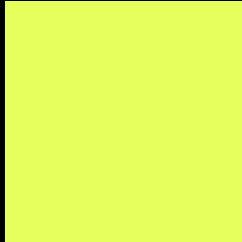
Large Text (above 18pt) WCAG AA × Fail

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 70.3249, 89.1157, 23.6198 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 70.3249, 89.1157, 23.6198

Background



This preview shows how black text looks on a background with the XYZ color 70.3249, 89.1157, 23.6198.

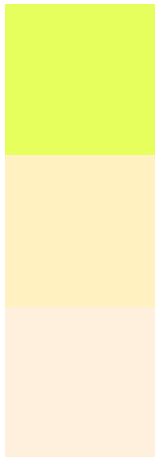


This preview shows how white text looks on a background with the XYZ color 70.3249, 89.1157,

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

70.3249, 89.1157, 23.6198

Protanopia

82.5066, 88.5700, 62.6163

Deuteranopia

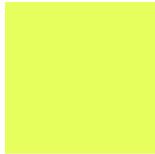
85.5849, 88.8541, 81.7470



Tritanopia

86.9225, 88.5458, 107.1175

Trichromacy



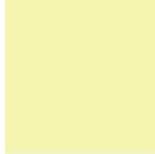
Original Color

70.3249, 89.1157, 23.6198



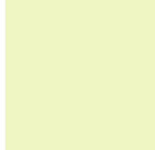
Protanomaly

77.2676, 88.5147, 44.4651



Deuteranomaly

78.3963, 87.9928, 53.4098



Tritanomaly

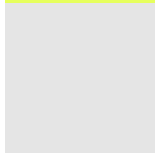
78.5514, 87.8156, 65.0346

Monochromacy



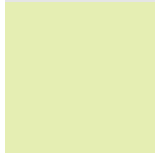
Original Color

70.3249, 89.1157, 23.6198



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.0243, 81.0618, 54.5509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3249, 89.1157, 23.6198 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(230, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 92)  
}
```

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(230, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 92) }
```

Border

The CSS property to change the border of an element to XYZ 70.3249, 89.1157, 23.6198 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(230, 255, 92) }
```


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

```
.border{ border-color:rgb(230, 255, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3249, 89.1157, 23.6198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 92) }
```

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

```
.background{ background-color: rgb(230,  
255, 92) }
```

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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