

Converting Colors

XYZ(72.6832, 86.8100, 23.6608)

Have a look what the booklet for
XYZ(72.6832, 86.8100, 23.6608)
contains.

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Color

**XYZ(72.6345, 86.5808,
23.7100)**

Conversions

Conversions Part 1

Format	Color
Hex	F4F75F
RGB	244, 247, 95
RGB Percent	96%, 97%, 37%
CMY	0.0431, 0.0313, 0.6274
CMYK	0.01, 0.00, 0.62, 0.03
HSL	61°, 90%, 67%
HSV	61°, 62%, 97%
XYZ	72.6345, 86.5808, 23.7100
YIQ	228.7750, 47.0040, -47.9080

Conversions

Conversions Part 2

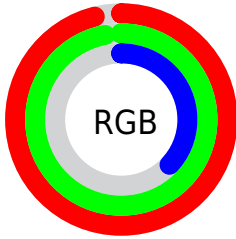
Format	Color
R_{YB}	95, 247, 98
Decimal	16054111
CIE Lab	94.56, -19.42, 70.30
CIE LCh	95, 72.931, 105.446
Yxy	86.5808, 0.3971, 0.4733
Android (android.graphics.Color)	4294244191 (0xFFFF4F75F)
YUV	228.7750, -65.9511, 13.3523
Hunter-Lab	93.0488, -23.4972, 50.0263

Details

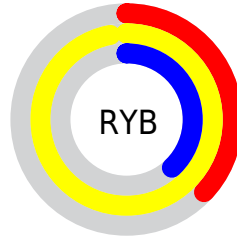
The XYZ color **72.6345, 86.5808, 23.7100** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.9204, 17.4984, 90.0123**, and the grayscale version is **74.7581, 78.6514, 85.6513**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **38.9129, 47.6857, 8.5922** is the 20% darker color. If you saturate the color by 10%, you get **71.5165, 86.1172, 18.6978**, and if you desaturate by 10%, it is **74.1129, 87.1950, 30.5998**.

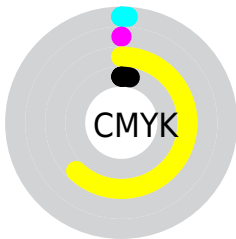
Distribution



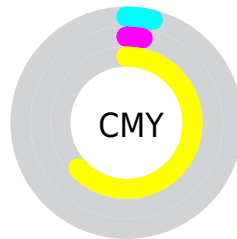
- Red (96%)
- Green (97%)
- Blue (37%)



- Red (37%)
- Yellow (97%)
- Blue (38%)



- Cyan (1%)
- Magenta (0%)
- Yellow (62%)
- Black (3%)




- Cyan (4%)
- Magenta (3%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6345, 86.5808, 23.7100 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 72.6345, 86.5808, 23.7100 by changing the saturation by 10% instead.


 72.6345, 86.5808,
23.7100

 72.6345, 86.5808,
23.7100


458.8705,
516.8444, 284.5902

 53.9645, 65.1484,
14.9084


 121.9641,
142.5797, 50.4944


 38.8038, 47.5814,
8.6092


 153.3544,
177.9149, 69.3144

 26.7872, 33.4955,
4.3939


 189.7155,
218.6532, 92.3109

 17.5492, 22.5063,
1.8438

 231.4128,
265.1790, 119.9024

 10.7246, 14.2294,
0.4566

278.8116,
317.8766, 152.5076

 5.9479, 8.2804,
0.0000

332.2772,

 2.8538, 4.2749,

377.1304, 190.5449

0.0000

392.1751,
443.3249, 234.4330

■ 1.0769, 1.8285,
0.0000

■ 0.0057, 0.5048,
0.0000

■ 72.6345, 86.5808,
23.7100

■ 72.6345, 86.5808,
23.7100

■ 71.5165, 86.1172,
18.6978

■ 74.1129, 87.1950,
30.5998

■ 70.7178, 85.7783,
15.3736

■ 75.9760, 87.9599,
39.5221

■ 70.1985, 85.5511,
13.5179

■ 78.2530, 88.8904,
50.6218

■ 69.9218, 85.4240,
12.8032

■ 80.9686, 89.9964,
64.0291

84.1458, 91.2871,
79.8639

87.8055, 92.7709,
98.2380

89.8188, 93.5961,
107.9396

89.9918, 93.6853,
107.9477

90.1652, 93.7747,
107.9559

Harmonies

Analogous

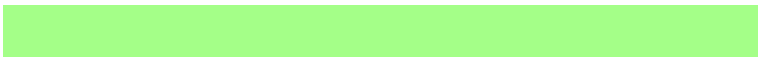
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.1564, 86.5808, 23.5366



72.6345, 86.5808, 23.7100



58.1989, 86.5808, 36.9119

Triad

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



72.6345, 86.5808, 23.7100



58.5298, 86.5808, 194.3089



124.5462, 86.5808, 124.1601

Complementary

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



72.6345, 86.5808, 23.7100



25.9204, 17.4984, 90.0123

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.



112.2581, 86.5808, 192.3852



72.6345, 86.5808, 23.7100



73.1588, 86.5808, 242.5752

Square

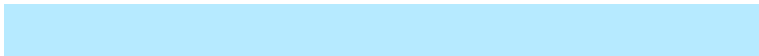
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6345, 86.5808, 23.7100



50.9832, 86.5808, 126.1263



92.7707, 86.5808, 241.7570



124.3455, 86.5808, 68.2903

Rectangle

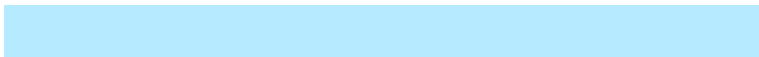
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6345, 86.5808, 23.7100



52.4890, 86.5808, 56.0778



92.7707, 86.5808, 241.7570



121.6631, 86.5808, 146.7631

Sweetspot

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



72.6365, 86.5848, 23.7118



88.1877, 97.2166, 74.5032



44.7504, 29.2508, 14.1150



18.6720, 20.7255, 14.9338



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.



72.6365, 86.5848, 23.7118



76.6321, 92.4757, 19.0114



51.5777, 75.7286, 22.7262



17.8804, 19.2959, 17.5796



36.9925, 45.1831, 6.7715



3.2614, 3.9764, 0.5956

Inverse Universe

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



25.9204, 17.4984, 90.0123



22.5440, 12.4549, 95.8236



38.2352, 23.8469, 90.5887



15.6115, 15.9424, 20.7969



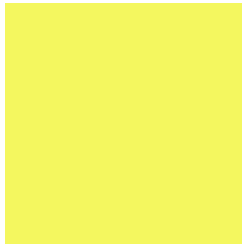
8.9250, 3.5753, 46.7577



0.7949, 0.3196, 4.1100

Previews

White Background



This preview shows how the XYZ color 72.6345, 86.5808, 23.7100 looks on a white background.

Color Contrast Check

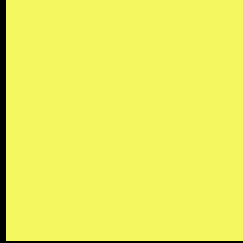
Large Text (above 18pt) WCAG AA × Fail

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 72.6345, 86.5808, 23.7100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

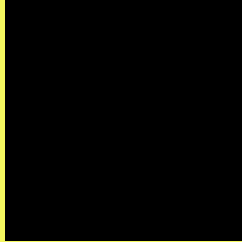
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.6345, 86.5808, 23.7100

Background



This preview shows how black text looks on a background with the XYZ color 72.6345, 86.5808, 23.7100.



This preview shows how white text looks on a background with the XYZ color 72.6345, 86.5808,

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

72.6345, 86.5808, 23.7100

Protanopia

79.9430, 86.1276, 53.4851

Deuteranopia

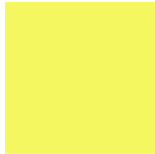
83.5012, 86.1572, 76.5190



Tritanopia

87.3222, 86.3151, 100.8650

Trichromacy



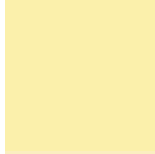
Original Color

72.6345, 86.5808, 23.7100



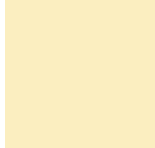
Protanomaly

76.8023, 86.1201, 40.1787



Deuteranomaly

78.2944, 85.7697, 50.9567



Tritanomaly

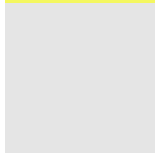
79.8726, 85.4641, 62.1556

Monochromacy



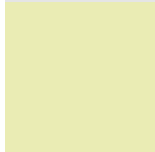
Original Color

72.6345, 86.5808, 23.7100



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.1654, 80.7786, 54.9683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6345, 86.5808, 23.7100 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(244, 247, 95)` looks like.

```
.text, #text, p{  
    color:rgb(244, 247, 95)  
}
```

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(244, 247, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 247, 95) }
```

Border

The CSS property to change the border of an element to XYZ 72.6345, 86.5808, 23.7100 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(244, 247, 95) }
```


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

```
.border{ border-color:rgb(244, 247, 95) }
```

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

Here you see how a box with a 4 pixel rgb(244, 247, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 247, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 247, 95);  
box-shadow:4px 4px 4px 4px rgb(244, 247,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6345, 86.5808, 23.7100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 247, 95) }
```

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

```
.background{ background-color: rgb(244,  
247, 95) }
```

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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