

Converting Colors

XYZ(72.6388, 90.4724, 16.3241)

Have a look what the booklet for
XYZ(72.6388, 90.4724, 16.3241)
contains.

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Color

**XYZ(72.5487, 90.4260,
16.3196)**

Conversions

Conversions Part 1

Format	Color
Hex	F1FF2F
RGB	241, 255, 47
RGB Percent	95%, 100%, 18%
CMY	0.0549, 0.0000, 0.8156
CMYK	0.05, 0.00, 0.82, 0.00
HSL	64°, 100%, 59%
HSV	64°, 82%, 100%
XYZ	72.5487, 90.4260, 16.3196
YIQ	227.1020, 58.4240, -67.6560

Conversions

Conversions Part 2

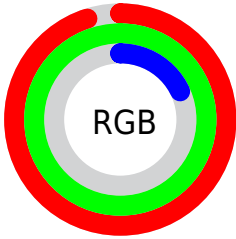
Format	Color
R _Y B	47, 255, 61
Decimal	15859503
CIE Lab	96.17, -26.56, 87.16
CIE LCh	96, 91.120, 106.945
Yxy	90.4260, 0.4046, 0.5043
Android (android.graphics.Color)	4294049583 (0xFFFF1FF2F)
YUV	227.1020, -88.7903, 12.1885
Hunter-Lab	95.0926, -30.2296, 56.3896

Details

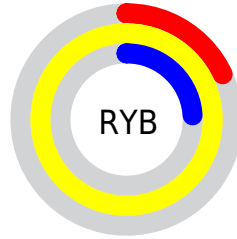
The XYZ color **72.5487, 90.4260, 16.3196** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.9922, 10.2464, 95.4791**, and the grayscale version is **73.6841, 77.5215, 84.4209**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **39.2501, 50.2119, 7.6232** is the 20% darker color. If you saturate the color by 10%, you get **71.5922, 89.9760, 14.3284**, and if you desaturate by 10%, it is **73.8105, 90.9987, 19.8930**.

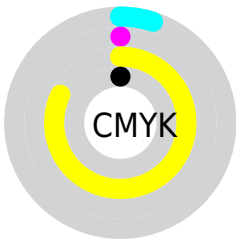
Distribution



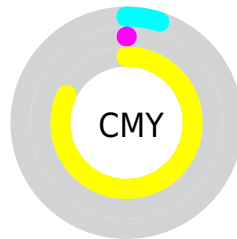
- Red (95%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (24%)



- Cyan (5%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5487, 90.4260, 16.3196 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 72.5487, 90.4260, 16.3196 by changing the saturation by 10% instead.


 72.5487, 90.4260,
16.3196


 72.5487, 90.4260,
16.3196


458.5772,
529.4156, 243.1301


 53.8941, 68.3340,
9.5938


 121.8429,
147.9300, 37.9266


 38.7473, 50.1695,
5.0284


 153.2132,
184.1108, 53.6450


 26.7431, 35.5481,
2.2049


 189.5528,
225.7566, 73.1979

 17.5159, 24.0854,
0.6772

 231.2270,
273.2519, 97.0039

 10.7006, 15.3970,
0.0000

 278.6012,
326.9811, 125.4816

 5.9317, 9.0985,
0.0000

332.0407,

 2.8438, 4.8055,

387.3285, 159.0495

0.0000

391.9109,
454.6786, 198.1261

■ 1.0717, 2.1336,
0.0000

■ 0.0013, 0.6834,
0.0000

■ 72.5487, 90.4260,
16.3196

■ 72.5487, 90.4260,
16.3196

■ 71.5922, 89.9760,
14.3284

■ 73.8105, 90.9987,
19.8930

■ 70.9644, 89.6685,
13.5675

■ 75.4235, 91.7126,
25.2851

■ 77.4255, 92.5826,
32.6967

■ 79.8494, 93.6221,
42.3009

■ 82.7246, 94.8428,
54.2527

■ 86.0779, 96.2554,
68.6929

■ 89.9340, 97.8697,
85.7512

■ 94.3157, 99.6949,
105.5483

■ 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.



97.3976, 90.4260, 15.5930



72.5487, 90.4260, 16.3196



55.1061, 90.4260, 30.7336

Triad

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



72.5487, 90.4260, 16.3196



56.8584, 90.4260, 239.1690



142.5053, 90.4260, 133.3587

Complementary

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



72.5487, 90.4260, 16.3196



20.9922, 10.2464, 95.4791

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.



126.5670, 90.4260, 227.3021



72.5487, 90.4260, 16.3196



75.4314, 90.4260, 305.7650

Square

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



72.5487, 90.4260, 16.3196



47.3408, 90.4260, 144.8421



100.9014, 90.4260, 300.5909



141.3129, 90.4260, 63.2137

Rectangle

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



72.5487, 90.4260, 16.3196



48.5412, 90.4260, 53.3964



100.9014, 90.4260, 300.5909



138.8593, 90.4260, 163.6318

Sweetspot

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



72.5486, 90.4259, 16.3208



85.2157, 95.8931, 64.9391



43.4155, 24.7897, 5.1872



17.9811, 20.4162, 12.7835



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.



72.5486, 90.4259, 16.3208



71.1076, 89.7391, 13.7201



46.6128, 77.0555, 15.1070



19.4334, 21.0248, 19.1783



37.1318, 46.8802, 7.0917



3.6503, 4.5825, 0.6921

Inverse Universe

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



20.9922, 10.2464, 95.4791



18.4345, 7.5004, 95.0839



34.5573, 17.2395, 96.1139



17.1162, 17.4361, 22.7133



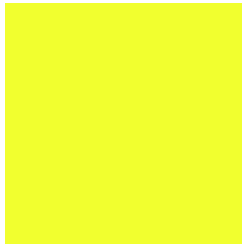
9.5956, 3.8572, 49.6734



0.9720, 0.3950, 4.8383

Previews

White Background



This preview shows how the XYZ color 72.5487, 90.4260, 16.3196 looks on a white background.

Color Contrast Check

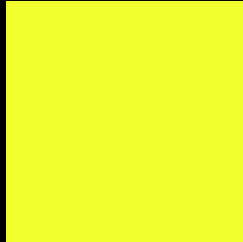
Large Text (above 18pt) WCAG AA × Fail

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 72.5487, 90.4260, 16.3196 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 72.5487, 90.4260, 16.3196

Background



This preview shows how black text looks on a background with the XYZ color 72.5487, 90.4260, 16.3196.

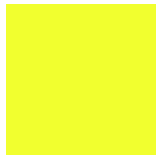


This preview shows how white text looks on a background with the XYZ color 72.5487, 90.4260,

Color Blindness Simulation

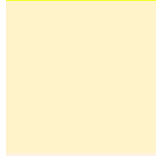
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



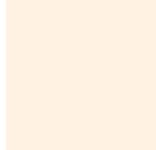
Original Color

72.5487, 90.4260, 16.3196



Protanopia

84.1333, 90.1784, 68.2302



Deuteranopia

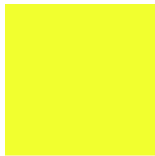
86.7196, 90.2552, 84.8019



Tritanopia

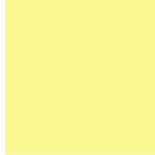
89.8361, 90.0849, 105.5817

Trichromacy



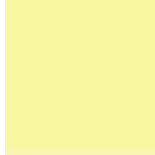
Original Color

72.5487, 90.4260, 16.3196



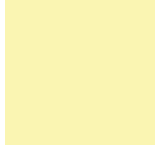
Protanomaly

78.1026, 89.5031, 39.9475



Deuteranomaly

79.1181, 89.4187, 46.8078



Tritanomaly

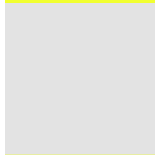
80.1126, 88.8432, 55.0455

Monochromacy



Original Color

72.5487, 90.4260, 16.3196



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.0845, 80.3328, 45.9944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5487, 90.4260, 16.3196 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(241, 255, 47)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 47)  
}
```

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(241, 255, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 47) }
```

Border

The CSS property to change the border of an element to XYZ 72.5487, 90.4260, 16.3196 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(241, 255, 47) }
```


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

```
.border{ border-color:rgb(241, 255, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 47);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5487, 90.4260, 16.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 47) }
```

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

```
.background{ background-color: rgb(241,  
255, 47) }
```

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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