

Converting Colors

XYZ(77.2940, 90.4934, 22.8103)

Have a look what the booklet for
XYZ(77.2940, 90.4934, 22.8103)
contains.

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Color

**XYZ(77.2288, 90.3525,
22.8206)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFA59
RGB	255, 250, 89
RGB Percent	100%, 98%, 35%
CMY	0.0000, 0.0196, 0.6510
CMYK	0.00, 0.02, 0.65, 0.00
HSL	58°, 100%, 67%
HSV	58°, 65%, 100%
XYZ	77.2288, 90.3525, 22.8206
YIQ	233.1410, 54.6610, -49.0110

Conversions

Conversions Part 2

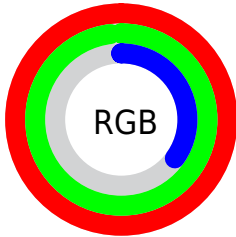
Format	Color
R _Y B	94, 255, 89
Decimal	16775769
CIE Lab	96.14, -16.80, 74.55
CIE LCh	96, 76.419, 102.703
Yxy	90.3525, 0.4056, 0.4745
Android (android.graphics.Color)	4294965849 (0xFFFFFA59)
YUV	233.1410, -71.0615, 19.1703
Hunter-Lab	95.0539, -21.3179, 52.3034

Details

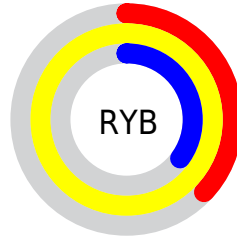
The XYZ color **77.2288, 90.3525, 22.8206** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.1727, 17.3491, 96.5765**, and the grayscale version is **78.0503, 82.1150, 89.4232**.

A 20% lighter version of the original color is **82.1883, 94.8553, 41.1713**, and **41.9328, 50.2398, 8.1966** is the 20% darker color. If you saturate the color by 10%, you get **76.1010, 89.5242, 18.0460**, and if you desaturate by 10%, it is **78.7324, 91.3394, 29.5514**.

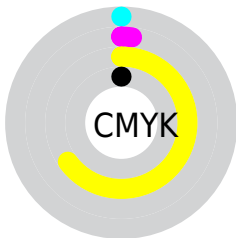
Distribution



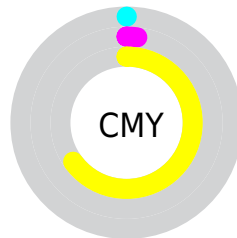
- Red (100%)
- Green (98%)
- Blue (35%)



- Red (37%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (2%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.2288, 90.3525, 22.8206 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 77.2288, 90.3525, 22.8206 by changing the saturation by 10% instead.


 77.2288, 90.3525,
22.8206


 77.2288, 90.3525,
22.8206


474.4238,
529.1769, 279.8942

 57.7413, 68.2730,
14.2570


 128.4335,
147.8279, 49.0180


 41.8431, 50.1199,
8.1589


 160.8814,
183.9927, 67.4890

 29.1690, 35.5087,
4.1075


 198.3802,
225.6214, 90.0995

 19.3537, 24.0550,
1.6845

 241.2951,
273.0983, 117.2681

 12.0316, 15.3744,
0.3501

289.9916,
326.8079, 149.4133

 6.8376, 9.0826,
0.0000

344.8349,

 3.4062, 4.7951,

387.1346, 186.9537

0.0000

406.1905,
454.4628, 230.3079

■ 1.3720, 2.1275,
0.0000

■ 0.2361, 0.6800,
0.0000

■ 77.2288, 90.3525,
22.8206

■ 77.2288, 90.3525,
22.8206

■ 76.1010, 89.5242,
18.0460

■ 78.7324, 91.3394,
29.5514

■ 75.3027, 88.8259,
15.0104

■ 80.6401, 92.4862,
38.4144

■ 74.7863, 88.2418,
13.4550

■ 82.9845, 93.8092,
49.5721

■ 74.6015, 87.9834,
13.0506

■ 85.7931, 95.3194,
63.1698

■ 89.0914, 97.0270,
79.3410

■ 92.9028, 98.9415,
98.2094

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



98.5660, 90.3525, 23.7466



77.2288, 90.3525, 22.8206



61.1101, 90.3525, 35.1432

Triad

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



77.2288, 90.3525, 22.8206



59.2881, 90.3525, 200.5895



130.9312, 90.3525, 137.2974

Complementary

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



77.2288, 90.3525, 22.8206



26.1727, 17.3491, 96.5765

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.



116.5681, 90.3525, 211.4114



77.2288, 90.3525, 22.8206



74.3273, 90.3525, 257.0673

Square

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



77.2288, 90.3525, 22.8206



51.9567, 90.3525, 126.3225



95.1486, 90.3525, 261.6866



132.0539, 90.3525, 74.8930

Rectangle

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



77.2288, 90.3525, 22.8206



54.5295, 90.3525, 53.9931



95.1486, 90.3525, 261.6866



127.3952, 90.3525, 162.1574

Sweetspot

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



77.2309, 90.3567, 22.8224



87.4117, 96.1649, 71.0813



46.8572, 29.2234, 13.8878



18.5153, 20.4821, 14.2624



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.



77.2309, 90.3567, 22.8224



75.8374, 89.3089, 16.9955



55.8169, 81.6511, 22.2707



19.5116, 20.9914, 19.1677



39.0021, 46.0154, 6.8262



3.8117, 4.5087, 0.6694

Inverse Universe

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



26.1727, 17.3491, 96.5765



21.4136, 11.5178, 95.7023



37.4472, 22.5234, 96.9810



17.0468, 17.4652, 22.7226



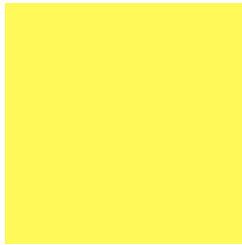
9.4939, 3.8975, 49.6865



0.9391, 0.4089, 4.8427

Previews

White Background



This preview shows how the XYZ color 77.2288, 90.3525, 22.8206 looks on a white background.

Color Contrast Check

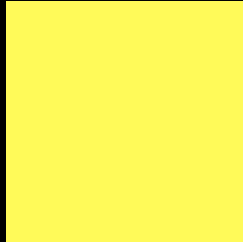
Large Text (above 18pt) WCAG AA × Fail

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 77.2288, 90.3525, 22.8206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

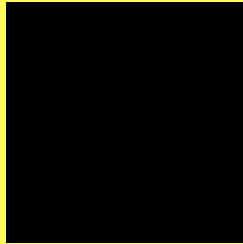
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.2288, 90.3525, 22.8206

Background



This preview shows how black text looks on a background with the XYZ color 77.2288, 90.3525, 22.8206.



This preview shows how white text looks on a background with the XYZ color 77.2288, 90.3525,

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

77.2288, 90.3525, 22.8206

Protanopia

84.2514, 90.2256, 68.8519

Deuteranopia

86.8573, 90.3103, 85.5268



Tritanopia

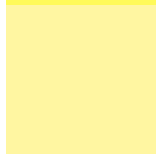
89.1886, 90.2956, 100.7237

Trichromacy



Original Color

77.2288, 90.3525, 22.8206



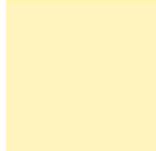
Protanomaly

80.6288, 89.7447, 46.7911



Deuteranomaly

81.8282, 89.7391, 54.6036



Tritanomaly

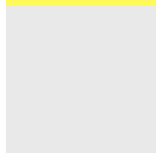
82.8849, 89.6791, 61.6565

Monochromacy



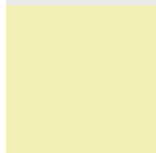
Original Color

77.2288, 90.3525, 22.8206



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.4826, 83.7700, 55.9069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2288, 90.3525, 22.8206 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(255, 250, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 89)  
}
```

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(255, 250, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 89) }
```

Border

The CSS property to change the border of an element to XYZ 77.2288, 90.3525, 22.8206 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(255, 250, 89) }
```


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

```
.border{ border-color:rgb(255, 250, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2288, 90.3525, 22.8206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 89) }
```

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

```
.background{ background-color: rgb(255,  
250, 89) }
```

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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