

Converting Colors

XYZ(70.4493, 82.8800, 25.2703)

Have a look what the booklet for
XYZ(70.4493, 82.8800, 25.2703)
contains.

XYZ(70.2296, 82.6108, 25.3407)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.2296, 82.6108,
25.3407)**

Conversions

Conversions Part 1

Format	Color
Hex	F1F168
RGB	241, 241, 104
RGB Percent	95%, 95%, 41%
CMY	0.0549, 0.0549, 0.5921
CMYK	0.00, 0.00, 0.57, 0.05
HSL	60°, 83%, 68%
HSV	60°, 57%, 95%
XYZ	70.2296, 82.6108, 25.3407
YIQ	225.3820, 43.9770, -42.6070

Conversions

Conversions Part 2

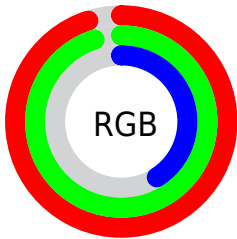
Format	Color
RYB	104, 241, 104
Decimal	15855976
CIELab	92.84, -17.13, 64.64
CIELCh	93, 66.870, 104.841
Yxy	82.6108, 0.3941, 0.4636
Android (android.graphics.Color)	4294046056 (0xFFFF1F168)
YUV	225.3820, -59.8413, 13.6970
Hunter-Lab	90.8905, -21.1343, 47.0930

Details

The XYZ color **70.2296, 82.6108, 25.3407** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.5390, 19.1964, 85.5306**, and the grayscale version is **72.2402, 76.0023, 82.7665**.

A 20% lighter version of the original color is **83.2580, 95.2832, 46.8042**, and **37.1535, 44.8482, 9.3877** is the 20% darker color. If you saturate the color by 10%, you get **69.1766, 82.1926, 19.7895**, and if you desaturate by 10%, it is **71.6362, 83.1765, 32.7373**.

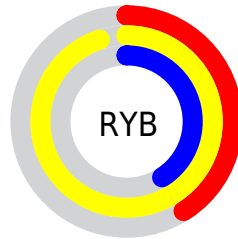
Distribution



Red (95%)

Green (95%)

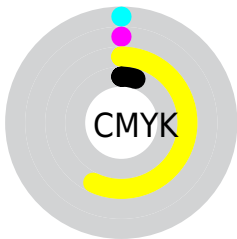
Blue (41%)



Red (41%)

Yellow (95%)

Blue (41%)

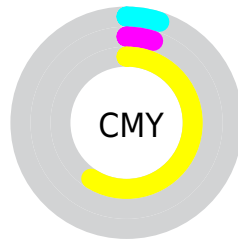


Cyan (0%)

Magenta (0%)

Yellow (57%)

Black (5%)



Cyan (5%)

Magenta (5%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2296, 82.6108, 25.3407 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 70.2296, 82.6108, 25.3407 by changing the saturation by 10% instead.

70.2296, 82.6108,
25.3407

70.2296, 82.6108,
25.3407

450.6096,
503.6885, 293.0322

51.9940, 61.8691,
16.1097

118.5606,
137.0302, 53.1804

37.2245, 44.9270,
9.4466

149.3867,
171.4768, 72.6261

25.5559, 31.3999,
4.9329

185.1404,
211.2604, 96.3139

16.6226, 20.9036,
2.1499

226.1870,
256.7655, 124.6623

10.0594, 13.0535,
0.6452

272.8919,
308.3764, 158.0898

5.5009, 7.4654,
0.0000

325.6204,

2.5818, 3.7548,

366.4777, 197.0149

0.0000

384.7378,
431.4536, 241.8562

■ 0.9367, 1.5374,
0.0000

■ 0.0000, 0.3148,
0.0000

■ 70.2296, 82.6108,
25.3407

■ 70.2296, 82.6108,
25.3407

■ 69.1766, 82.1926,
19.7895

■ 71.6362, 83.1765,
32.7373

■ 68.4408, 81.8982,
15.9169


■ 73.4178, 83.8892,
42.1167


■ 67.9881, 81.7171,
13.5350


■ 75.6007, 84.7624,
53.6094


■ 67.7727, 81.6309,
12.4026


■ 78.2072, 85.8051,
67.3331


 67.7309, 81.6141,
12.1833

 81.2582, 87.0255,
83.3971

 84.7729, 88.4314,
101.9032

 85.7855, 88.8365,
107.2335

 85.7859, 88.8368,
107.2335

 85.7864, 88.8370,
107.2336

Harmonies

Analogous

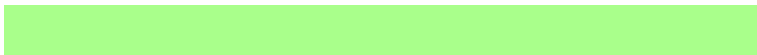
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6304, 82.6108, 25.4002



70.2296, 82.6108, 25.3407



57.1439, 82.6108, 37.5440

Triad

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



70.2296, 82.6108, 25.3407



57.0372, 82.6108, 176.2158



115.5884, 82.6108, 117.5101

Complementary

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



70.2296, 82.6108, 25.3407



26.5390, 19.1964, 85.5306

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.



104.6532, 82.6108, 176.8084



70.2296, 82.6108, 25.3407



70.0623, 82.6108, 218.3392

Square

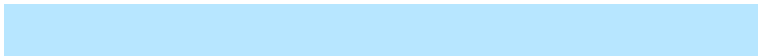
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2296, 82.6108, 25.3407



50.3304, 82.6108, 116.8940



87.4365, 82.6108, 218.5893



115.6509, 82.6108, 67.4999

Rectangle

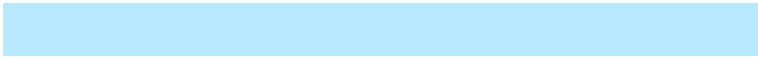
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2296, 82.6108, 25.3407



51.8815, 82.6108, 54.9499



87.4365, 82.6108, 218.5893



112.9979, 82.6108, 137.3341

Sweetspot

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



70.2315, 82.6146, 25.3424



88.8388, 97.5154, 76.1962



43.7274, 29.6029, 16.5070



18.8793, 20.8179, 15.5936



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.



70.2315, 82.6146, 25.3424



78.5046, 93.3815, 21.7899



51.0804, 72.7419, 24.4461



17.1229, 18.4590, 16.8102



36.7268, 44.2549, 6.6063



3.0553, 3.6816, 0.5496

Inverse Universe

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



26.5390, 19.1964, 85.5306



24.4830, 14.9708, 96.2070



37.9532, 25.0806, 86.0648



14.8974, 15.2288, 19.8759



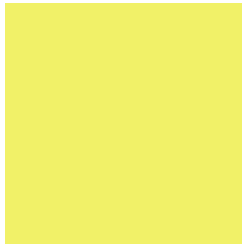
8.6100, 3.4440, 45.3388



0.7163, 0.2865, 3.7718

Previews

White Background



This preview shows how the XYZ color 70.2296, 82.6108, 25.3407 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 70.2296, 82.6108, 25.3407 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 70.2296, 82.6108, 25.3407

Background



This preview shows how black text looks on a background with the XYZ color 70.2296, 82.6108, 25.3407.



This preview shows how white text looks on a background with the XYZ color 70.2296, 82.6108,

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

70.2296, 82.6108, 25.3407

Protanopia

75.9824, 82.6903, 38.3417

Deuteranopia

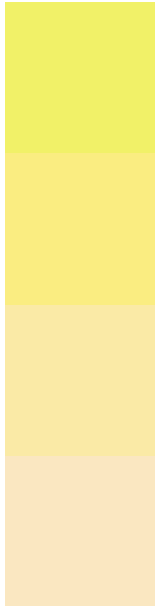
80.1975, 82.1179, 67.5006



Tritanopia

84.7655, 82.1844, 96.9835

Trichromacy



Original Color

70.2296, 82.6108, 25.3407

Protanomaly

73.6710, 82.4773, 32.8057

Deuteranomaly

75.7301, 81.9228, 47.8977

Tritanomaly

77.6259, 81.3261, 62.0583

Monochromacy



Original Color

70.2296, 82.6108, 25.3407

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.8714, 77.4769, 54.9880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2296, 82.6108, 25.3407 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, 241, 104)` looks like.

```
.text, #text, p{  
    color:rgb(241, 241, 104)  
}
```

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, 241, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 241, 104) }
```

Border

The CSS property to change the border of an element to XYZ 70.2296, 82.6108, 25.3407 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, 241, 104) }
```


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

```
.border{ border-color:rgb(241, 241, 104) }
```

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

Here you see how a box with a 4 pixel rgb(241, 241, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 241, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 241, 104);  
box-shadow:4px 4px 4px 4px rgb(241, 241,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2296, 82.6108, 25.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 241, 104) }
```

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

```
.background{ background-color: rgb(241,  
241, 104) }
```

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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