

Converting Colors

XYZ(72.4009, 82.7547, 14.8667)

Have a look what the booklet for
XYZ(72.4009, 82.7547, 14.8667)
contains.

XYZ(72.3276, 82.6143, 14.8234)	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(72.3276, 82.6143,
14.8234)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEE2F
RGB	255, 238, 47
RGB Percent	100%, 93%, 18%
CMY	0.0000, 0.0666, 0.8156
CMYK	0.00, 0.07, 0.82, 0.00
HSL	55°, 100%, 59%
HSV	55°, 82%, 100%
XYZ	72.3276, 82.6143, 14.8234
YIQ	221.3090, 71.4430, -55.7970

Conversions

Conversions Part 2

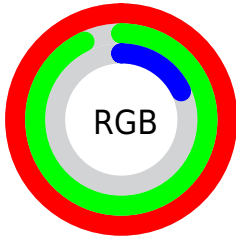
Format	Color
RYB	66, 255, 47
Decimal	16772655
CIELab	92.85, -12.68, 84.78
CIELCh	93, 85.720, 98.505
Yxy	82.6143, 0.4260, 0.4866
Android (android.graphics.Color)	4294962735 (0xFFFFEE2F)
YUV	221.3090, -85.9343, 29.5470
Hunter-Lab	90.8924, -17.0204, 53.9552

Details

The XYZ color **72.3276, 82.6143, 14.8234** 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 **21.0561, 11.4915, 95.7153**, and the grayscale version is **69.4973, 73.1165, 79.6239**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **38.9761, 44.9252, 6.6172** is the 20% darker color. If you saturate the color by 10%, you get **71.3533, 81.2628, 12.6591**, and if you desaturate by 10%, it is **73.6127, 84.1077, 18.5730**.

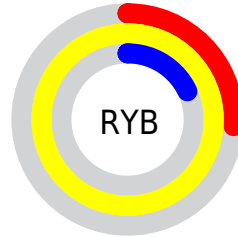
Distribution



Red (100%)

Green (93%)

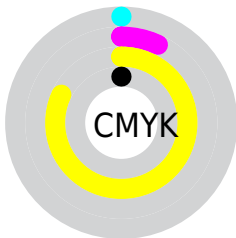
Blue (18%)



Red (26%)

Yellow (100%)

Blue (18%)

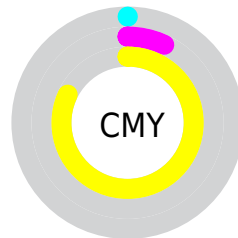


Cyan (0%)

Magenta (7%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3276, 82.6143, 14.8234 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 72.3276, 82.6143, 14.8234 by changing the saturation by 10% instead.


 72.3276, 82.6143,
14.8234


 72.3276, 82.6143,
14.8234


457.8210,
503.7002, 233.8986

 53.7128, 61.8720,
8.5503


 121.5305,
137.0351, 35.2810

 38.6018, 44.9293,
4.3563


 152.8492,
171.4825, 50.3025


 26.6294, 31.4017,
1.8227


 189.1332,
211.2669, 69.0773

 17.4303, 20.9050,
0.4429

 230.7480,
256.7729, 92.0239

 10.6389, 13.0545,
0.0000

 278.0588,
308.3849, 119.5608

 5.8901, 7.4661,
0.0000

331.4310,

 2.8184, 3.7553,

366.4871, 152.1065

0.0000

391.2299,
431.4641, 190.0796

■ 1.0585, 1.5376,
0.0000

■ 0.0000, 0.3150,
0.0000

■ 72.3276, 82.6143,
14.8234

■ 72.3276, 82.6143,
14.8234

■ 71.3533, 81.2628,
12.6591

■ 73.6127, 84.1077,
18.5730

■ 70.7099, 80.2002,
11.7534

■ 75.2485, 85.7494,
24.1428

■ 77.2748, 87.5586,
31.7341

■ 79.7245, 89.5486,
41.5203

■ 82.6271, 91.7311,
53.6560

■ 86.0092, 94.1168,
68.2822

■ 89.8957, 96.7157,
85.5286

■ 94.3094, 99.5370,
105.5159

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



95.3729, 82.6143, 17.1005



72.3276, 82.6143, 14.8234



54.6589, 82.6143, 23.8634

Triad

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



72.3276, 82.6143, 14.8234



49.4271, 82.6143, 190.5872



125.7631, 82.6143, 143.1017

Complementary

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



72.3276, 82.6143, 14.8234



21.0561, 11.4915, 95.7153

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.



108.4821, 82.6143, 225.0032



72.3276, 82.6143, 14.8234



63.7836, 82.6143, 260.2939

Square

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



72.3276, 82.6143, 14.8234



43.1839, 82.6143, 109.4417



85.0612, 82.6143, 275.2277



129.2448, 82.6143, 72.9270

Rectangle

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



72.3276, 82.6143, 14.8234



47.2433, 82.6143, 39.7008



85.0612, 82.6143, 275.2277



121.2368, 82.6143, 170.9394

Sweetspot

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



72.3295, 82.6182, 14.8251



85.1408, 93.5174, 64.4845



43.1917, 23.6677, 7.1935



17.9628, 19.8334, 12.6719



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.



72.3295, 82.6182, 14.8251



70.8573, 80.4498, 11.9402



52.4932, 80.0866, 15.3819



19.4268, 20.8218, 19.1394



37.0008, 42.0128, 6.1591



3.6386, 4.1627, 0.6117

Inverse Universe

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



21.0561, 11.4915, 95.7153



18.4726, 7.9704, 95.1726



28.8460, 14.2951, 95.8458



17.1222, 17.6161, 22.7478



9.6113, 4.1322, 49.7256



0.9748, 0.4804, 4.8546

Previews

White Background



This preview shows how the XYZ color 72.3276, 82.6143, 14.8234 looks on a white background.

Color Contrast Check

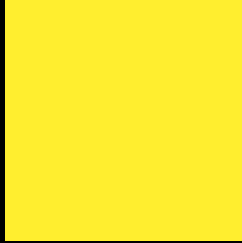
Large Text (above 18pt) WCAG AA × Fail

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 72.3276, 82.6143, 14.8234 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 72.3276, 82.6143, 14.8234

Background



This preview shows how black text looks on a background with the XYZ color 72.3276, 82.6143, 14.8234.



This preview shows how white text looks on a background with the XYZ color 72.3276, 82.6143,

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

72.3276, 82.6143, 14.8234

Protanopia

75.8308, 82.6297, 37.5436

Deuteranopia

80.2412, 82.5820, 66.3543



Tritanopia

83.9951, 82.3126, 91.5817

Trichromacy



Original Color

72.3276, 82.6143, 14.8234



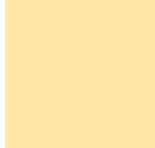
Protanomaly

73.8893, 82.3124, 25.9034



Deuteranomaly

75.6969, 82.1193, 38.2465



Tritanomaly

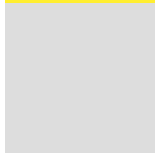
76.8838, 81.2390, 48.6743

Monochromacy



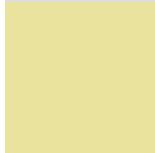
Original Color

72.3276, 82.6143, 14.8234



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

67.2449, 74.7304, 43.2280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3276, 82.6143, 14.8234 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, 238, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 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(255, 238, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 47) }
```

Border

The CSS property to change the border of an element to XYZ 72.3276, 82.6143, 14.8234 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, 238, 47) }
```


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

```
.border{ border-color:rgb(255, 238, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3276, 82.6143, 14.8234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 47) }
```

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

```
.background{ background-color: rgb(255,  
238, 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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