

Converting Colors

XYZ(75.3610, 84.3643, 29.1424)

Have a look what the booklet for
XYZ(75.3610, 84.3643, 29.1424)
contains.

XYZ(75.3174, 84.2774, 29.1271)	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(75.3174, 84.2774,
29.1271)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF75
RGB	255, 239, 117
RGB Percent	100%, 94%, 46%
CMY	0.0000, 0.0627, 0.5412
CMYK	0.00, 0.06, 0.54, 0.00
HSL	53°, 100%, 73%
HSV	53°, 54%, 100%
XYZ	75.3174, 84.2774, 29.1271
YIQ	229.8760, 48.6980, -34.5500

Conversions

Conversions Part 2

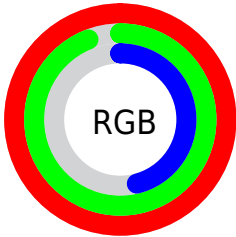
Format	Color
R _Y B	135, 255, 117
Decimal	16772981
CIE Lab	93.57, -9.60, 60.05
CIE LCh	94, 60.811, 99.083
Yxy	84.2774, 0.3991, 0.4466
Android (android.graphics.Color)	4294963061 (0xFFFEF75)
YUV	229.8760, -55.6479, 22.0337
Hunter-Lab	91.8027, -14.2086, 45.4504

Details

The XYZ color **75.3174, 84.2774, 29.1271** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.7735, 27.7761, 98.1886**, and the grayscale version is **75.4974, 79.4292, 86.4984**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **40.5956, 45.9616, 11.4345** is the 20% darker color. If you saturate the color by 10%, you get **73.1602, 82.0446, 21.9920**, and if you desaturate by 10%, it is **77.9010, 86.7097, 38.4206**.

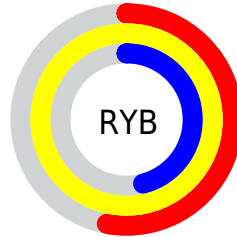
Distribution



Red (100%)

Green (94%)

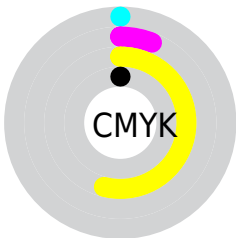
Blue (46%)



Red (53%)

Yellow (100%)

Blue (46%)

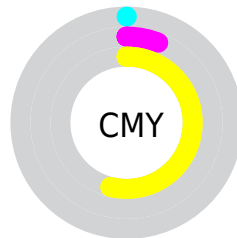


Cyan (0%)

Magenta (6%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.3174, 84.2774, 29.1271 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 75.3174, 84.2774, 29.1271 by changing the saturation by 10% instead.


 75.3174, 84.2774,
29.1271

 75.3174, 84.2774,
29.1271


467.9882,
509.2340, 311.8939


 56.1680, 63.2445,
18.9306


 125.7471,
139.3632, 59.3236

 40.5752, 46.0390,
11.4438


 157.7581,
174.1848, 80.1606

 28.1735, 32.2766,
6.2483


 194.7870,
214.3714, 105.3815

 18.5976, 21.5729,
2.9254

237.1993,
260.3075, 135.4049

 11.4822, 13.5434,
1.0567

285.3601,
312.3774, 170.6493

 6.4618, 7.8038,
0.0000

339.6350,

 3.1712, 3.9696,

370.9655, 211.5332

0.0000

400.3892,
436.4562, 258.4752

■ 1.2449, 1.6566,
0.0000

■ 0.1414, 0.3953,
0.0000

■ 75.3174, 84.2774,
29.1271

■ 75.3174, 84.2774,
29.1271

■ 73.1602, 82.0446,
21.9920

■ 77.9010, 86.7097,
38.4206

■ 71.3895, 79.9857,
16.8309

■ 80.9354, 89.3420,
50.0264

■ 69.9675, 78.0887,
13.4376

■ 84.4499, 92.1891,
64.0902

■ 68.8460, 76.3343,
11.5575

■ 88.4698, 95.2614,
80.7444

■ 68.2860, 75.3523,
10.9454

■ 93.0185, 98.5682,
100.1120

95.0498, 99.9999,
108.9000

Harmonies

Analogous

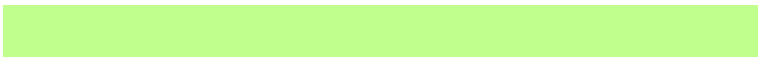
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.6656, 84.2774, 31.3835



75.3174, 84.2774, 29.1271



62.1370, 84.2774, 38.7336

Triad

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



75.3174, 84.2774, 29.1271



58.4056, 84.2774, 159.7337



112.6210, 84.2774, 127.1763

Complementary

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



75.3174, 84.2774, 29.1271



33.7735, 27.7761, 98.1886

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.



101.2362, 84.2774, 179.1684



75.3174, 84.2774, 29.1271



69.5563, 84.2774, 201.9210

Square

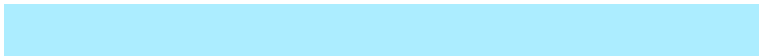
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3174, 84.2774, 29.1271



53.2696, 84.2774, 106.4750



85.0874, 84.2774, 210.0275



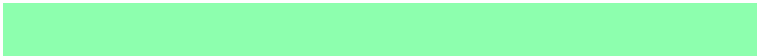
114.7061, 84.2774, 78.4741

Rectangle

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



75.3174, 84.2774, 29.1271



56.3824, 84.2774, 53.3486



85.0874, 84.2774, 210.0275



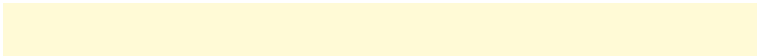
109.6883, 84.2774, 145.2394

Sweetspot

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



75.3194, 84.2813, 29.1288



87.6732, 94.6654, 77.4037



51.8423, 35.6796, 26.3821



18.5838, 20.1248, 15.8095



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.



75.3194, 84.2813, 29.1288



72.9890, 81.8560, 21.4592



63.3554, 85.3748, 29.9705



19.3709, 20.7100, 19.1208



35.7527, 39.5166, 5.7431



3.5299, 3.9452, 0.5754

Inverse Universe

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



33.7735, 27.7761, 98.1886



27.6050, 20.1785, 97.0476



40.9680, 28.4784, 97.9450



17.1725, 17.7166, 22.7645



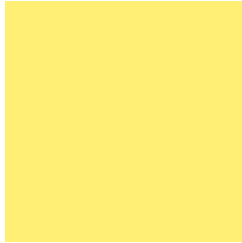
9.7216, 4.3527, 49.7624



0.9985, 0.5277, 4.8625

Previews

White Background



This preview shows how the XYZ color 75.3174, 84.2774, 29.1271 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 75.3174, 84.2774, 29.1271 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 75.3174, 84.2774, 29.1271

Background



This preview shows how black text looks on a background with the XYZ color 75.3174, 84.2774, 29.1271.

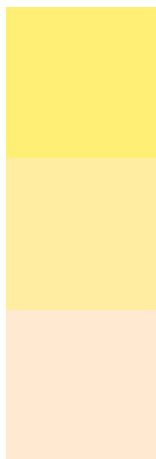


This preview shows how white text looks on a background with the XYZ color 75.3174, 84.2774,

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

75.3174, 84.2774, 29.1271

Protanopia

77.9572, 84.4016, 45.9006

Deuteranopia

81.7641, 84.0919, 71.5964



Tritanopia

85.2650, 84.1449, 94.1857

Trichromacy



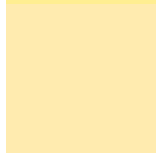
Original Color

75.3174, 84.2774, 29.1271



Protanomaly

76.9254, 84.4534, 39.0348



Deuteranomaly

78.6862, 83.7718, 52.5798



Tritanomaly

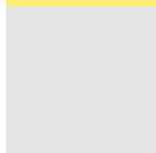
80.2292, 83.4780, 63.5141

Monochromacy



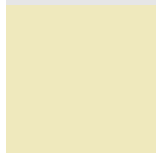
Original Color

75.3174, 84.2774, 29.1271



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.9208, 80.3027, 59.7480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3174, 84.2774, 29.1271 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, 239, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 117)  
}
```

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, 239, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 117) }
```

Border

The CSS property to change the border of an element to XYZ 75.3174, 84.2774, 29.1271 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, 239, 117) }
```


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

```
.border{ border-color:rgb(255, 239, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 239, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 239, 117); box-shadow:4px 4px 4px 4px rgb(255, 239, 117) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3174, 84.2774, 29.1271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 117) }
```

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

```
.background{ background-color: rgb(255,  
239, 117) }
```

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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