

Converting Colors

XYZ(97.2769, 100.0000,
30.1650)

Have a look what the booklet for
XYZ(97.2769, 100.0000, 30.1650)
contains.

XYZ(78.1529, 90.2263, 29.2159)	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(78.1529, 90.2263,
29.2159)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF972
RGB	255, 249, 114
RGB Percent	100%, 98%, 45%
CMY	0.0000, 0.0235, 0.5529
CMYK	0.00, 0.02, 0.55, 0.00
HSL	57°, 100%, 72%
HSV	57°, 55%, 100%
XYZ	78.1529, 90.2263, 29.2159
YIQ	235.4040, 46.9110, -40.7130

Conversions

Conversions Part 2

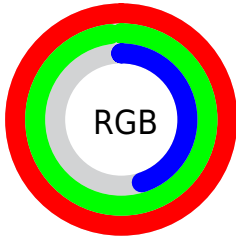
Format	Color
R _Y B	120, 255, 114
Decimal	16775538
CIE Lab	96.09, -14.73, 64.26
CIE LCh	96, 65.927, 102.906
Yxy	90.2263, 0.3955, 0.4566
Android (android.graphics.Color)	4294965618 (0xFFFFF972)
YUV	235.4040, -59.8522, 17.1857
Hunter-Lab	94.9875, -19.3637, 48.2551

Details

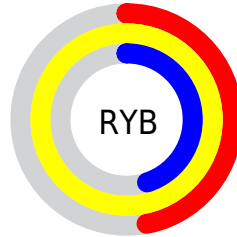
The XYZ color **78.1529, 90.2263, 29.2159** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.7058, 24.2297, 97.6129**, and the grayscale version is **79.6929, 83.8431, 91.3051**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **42.6243, 50.1915, 11.5791** is the 20% darker color. If you saturate the color by 10%, you get **76.5659, 89.0604, 22.4973**, and if you desaturate by 10%, it is **80.1506, 91.5663, 38.0692**.

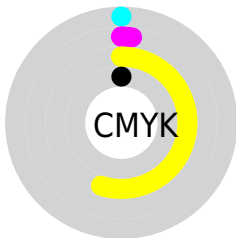
Distribution



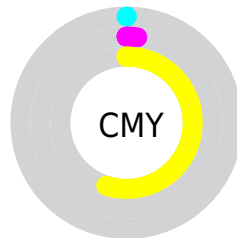
- Red (100%)
- Green (98%)
- Blue (45%)



- Red (47%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (2%)
- Yellow (55%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1529, 90.2263, 29.2159 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 78.1529, 90.2263, 29.2159 by changing the saturation by 10% instead.

78.1529, 90.2263,
29.2159

78.1529, 90.2263,
29.2159

477.5178,
528.7667, 312.3250

58.5028, 68.1684,
18.9972

129.7299,
147.6527, 59.4662

42.4578, 50.0347,
11.4915

162.3875,
183.7899, 80.3349

29.6526, 35.4410,
6.2801

200.1116,
225.3890, 105.5907

19.7218, 24.0028,
2.9446

243.2676,
272.8344, 135.6522

12.3001, 15.3357,
1.0664

292.2209,
326.5105, 170.9378

7.0220, 9.0553,
0.0000

347.3368,

3.5223, 4.7773,

386.8017, 211.8661

0.0000

408.9806,
454.0923, 258.8557

■ 1.4356, 2.1172,
0.0000

■ 0.2814, 0.6743,
0.0000

■ 78.1529, 90.2263,
29.2159

■ 78.1529, 90.2263,
29.2159

■ 76.5659, 89.0604,
22.4973

■ 80.1506, 91.5663,
38.0692

■ 75.3487, 88.0421,
17.7257


■ 82.5833, 93.0800,
49.2127


■ 74.4631, 87.1596,
14.6909

■ 85.4807, 94.7827,
62.7939

■ 73.8593, 86.3928,
13.1306

■ 88.8682, 96.6846,
78.9463

 73.6391, 86.0586,
12.7298

 92.7693, 98.7950,
97.7938

95.0497, 99.9999,
108.9000

Harmonies

Analogous

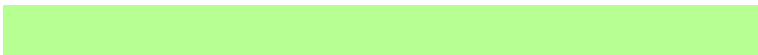
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4956, 90.2263, 30.0713



78.1529, 90.2263, 29.2159



64.0090, 90.2263, 41.4672

Triad

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



78.1529, 90.2263, 29.2159



62.5281, 90.2263, 183.8156



123.8788, 90.2263, 130.8556

Complementary

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



78.1529, 90.2263, 29.2159



31.7058, 24.2297, 97.6129

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.



111.9462, 90.2263, 191.8167



78.1529, 90.2263, 29.2159



75.8469, 90.2263, 229.0791

Square

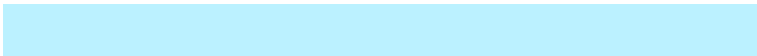
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1529, 90.2263, 29.2159



55.8882, 90.2263, 122.4517



93.8398, 90.2263, 232.4389



124.7291, 90.2263, 77.4525

Rectangle

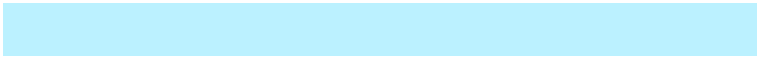
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1529, 90.2263, 29.2159



58.1471, 90.2263, 59.1965



93.8398, 90.2263, 232.4389



120.9609, 90.2263, 151.5145

Sweetspot

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



78.1550, 90.2305, 29.2178



88.2546, 96.3459, 76.0012



50.7120, 34.6772, 22.1270



18.7395, 20.5382, 15.5470



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

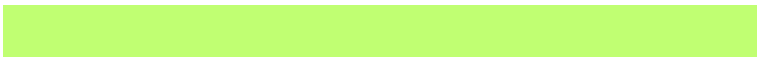
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1550, 90.2305, 29.2178



76.4685, 88.9841, 22.0980



60.4220, 83.8825, 28.9271



19.4912, 20.9505, 19.1609



38.5074, 45.0260, 6.6613



3.7690, 4.4234, 0.6552

Inverse Universe

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



31.7058, 24.2297, 97.6129



25.9422, 17.2111, 96.5625



42.3022, 28.6557, 97.9087



17.0649, 17.5014, 22.7286



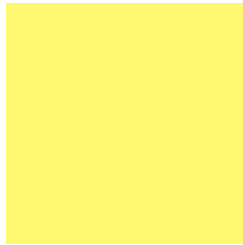
9.5197, 3.9491, 49.6951



0.9477, 0.4261, 4.8456

Previews

White Background



This preview shows how the XYZ color 78.1529, 90.2263, 29.2159 looks on a white background.

Color Contrast Check

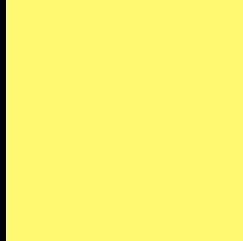
Large Text (above 18pt) WCAG AA × Fail

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 78.1529, 90.2263, 29.2159 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 78.1529, 90.2263, 29.2159

Background



This preview shows how black text looks on a background with the XYZ color 78.1529, 90.2263, 29.2159.

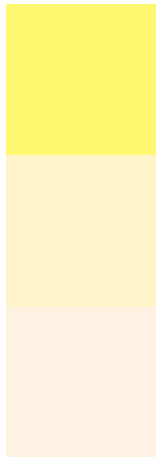


This preview shows how white text looks on a background with the XYZ color 78.1529, 90.2263,

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

78.1529, 90.2263, 29.2159

Protanopia

84.2514, 90.2256, 68.8519

Deuteranopia

86.8573, 90.3103, 85.5268



Tritanopia

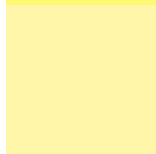
89.3434, 90.3575, 101.5388

Trichromacy



Original Color

78.1529, 90.2263, 29.2159



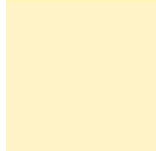
Protanomaly

81.4515, 90.0738, 51.1232



Deuteranomaly

82.7553, 90.1100, 59.4857



Tritanomaly

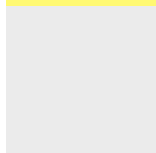
83.5994, 89.4847, 66.8989

Monochromacy



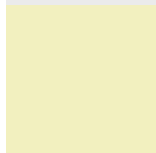
Original Color

78.1529, 90.2263, 29.2159



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

77.1820, 84.9590, 61.6210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1529, 90.2263, 29.2159 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, 249, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 114)  
}
```

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, 249, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 114) }
```

Border

The CSS property to change the border of an element to XYZ 78.1529, 90.2263, 29.2159 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, 249, 114) }
```


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

```
.border{ border-color:rgb(255, 249, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1529, 90.2263, 29.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 114) }
```

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

```
.background{ background-color: rgb(255,  
249, 114) }
```

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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