

Converting Colors

XYZ(110.2994, 100.0000,
19.0635)

Have a look what the booklet for
XYZ(110.2994, 100.0000, 19.0635)
contains.

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Color

**XYZ(71.4531, 79.9675,
17.2995)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE945
RGB	255, 233, 69
RGB Percent	100%, 91%, 27%
CMY	0.0000, 0.0862, 0.7294
CMYK	0.00, 0.09, 0.73, 0.00
HSL	53°, 100%, 64%
HSV	53°, 73%, 100%
XYZ	71.4531, 79.9675, 17.2995
YIQ	220.8820, 65.7560, -46.3400

Conversions

Conversions Part 2

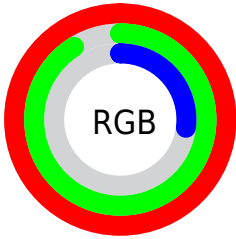
Format	Color
R_{YB}	94, 255, 69
Decimal	16771397
CIE _{Lab}	91.67, -9.46, 77.32
CIE _{LCh}	92, 77.892, 96.976
Yxy	79.9675, 0.4235, 0.4740
Android (android.graphics.Color)	4294961477 (0xFFFFE945)
YUV	220.8820, -74.8778, 29.9215
Hunter-Lab	89.4245, -13.8657, 51.1273

Details

The XYZ color **71.4531, 79.9675, 17.2995** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **24.2455, 15.9673, 96.4112**, and the grayscale version is **69.1232, 72.7230, 79.1953**.

A 20% lighter version of the original color is **80.8308, 94.3123, 34.0225**, and **38.1685, 43.3101, 6.3480** is the 20% darker color. If you saturate the color by 10%, you get **69.9796, 78.0270, 13.7069**, and if you desaturate by 10%, it is **73.2847, 82.0807, 22.6897**.

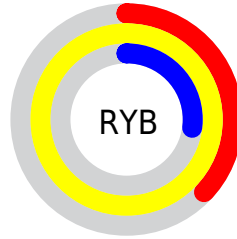
Distribution



Red (100%)

Green (91%)

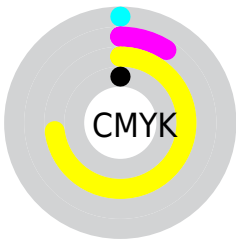
Blue (27%)



Red (37%)

Yellow (100%)

Blue (27%)

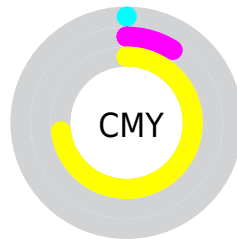


Cyan (0%)

Magenta (9%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4531, 79.9675, 17.2995 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 71.4531, 79.9675, 17.2995 by changing the saturation by 10% instead.


 71.4531, 79.9675,
17.2995


 71.4531, 79.9675,
17.2995


454.8230,
494.8233, 248.9946


 52.9959, 59.6916,
10.2840


 120.2937,
133.3200, 39.6377

 38.0270, 43.1701,
5.4796


 151.4078,
167.1655, 55.7975


 26.1809, 30.0186,
2.4677


 187.4715,
206.3029, 75.8425

 17.0924, 19.8527,
0.8230

 228.8504,
251.1167, 100.1913

 10.3961, 12.2880,
0.0000

 275.9095,
301.9912, 129.2623

 5.7267, 6.9402,
0.0000

329.0145,

 2.7187, 3.4247,

359.3109, 163.4742

0.0000

388.5305,
423.4601, 203.2454

■ 1.0068, 1.3573,
0.0000

■ 0.0000, 0.1849,
0.0000

■ 71.4531, 79.9675,
17.2995

■ 71.4531, 79.9675,
17.2995

■ 69.9796, 78.0270,
13.7069

■ 73.2847, 82.0807,
22.6897

■ 68.8116, 76.2288,
11.6594

■ 75.5076, 84.3709,
30.0767

■ 68.1237, 75.0278,
10.8913

■ 78.1574, 86.8553,
39.6384

■ 81.2638, 89.5461,
51.5319

■ 84.8541, 92.4542,
65.8999

■ 88.9531, 95.5897,
82.8734

■ 93.5841, 98.9620,
102.5743

■ 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.



91.9791, 79.9675, 20.1387



71.4531, 79.9675, 17.2995



55.2339, 79.9675, 25.5820

Triad

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



71.4531, 79.9675, 17.2995



49.3493, 79.9675, 171.0304



116.9485, 79.9675, 137.3591

Complementary

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



71.4531, 79.9675, 17.2995



24.2455, 15.9673, 96.4112

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.



101.4269, 79.9675, 207.2616



71.4531, 79.9675, 17.2995



61.9995, 79.9675, 231.9087

Square

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



71.4531, 79.9675, 17.2995



43.9970, 79.9675, 101.0715



80.7498, 79.9675, 247.4617



120.6731, 79.9675, 74.4271

Rectangle

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



71.4531, 79.9675, 17.2995



48.2232, 79.9675, 39.9564



80.7498, 79.9675, 247.4617



112.8207, 79.9675, 161.5045

Sweetspot

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



71.4549, 79.9713, 17.3011



85.2174, 92.7393, 67.3810



45.3799, 26.3215, 13.2326



18.0183, 19.6753, 13.5202



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.



71.4549, 79.9713, 17.3011



69.3539, 77.1005, 12.4954



57.2792, 82.4891, 18.5342



19.3671, 20.7023, 19.1195



35.6691, 39.3495, 5.7152



3.5226, 3.9306, 0.5730

Inverse Universe

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



24.2455, 15.9673, 96.4112



20.0729, 10.4446, 95.5658



30.5283, 16.8125, 96.2432



17.1760, 17.7235, 22.7657



9.7303, 4.3702, 49.7653



1.0001, 0.5310, 4.8630

Previews

White Background



This preview shows how the XYZ color 71.4531, 79.9675, 17.2995 looks on a white background.

Color Contrast Check

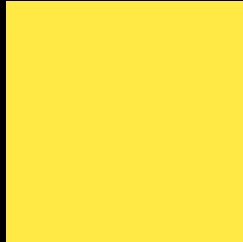
Large Text (above 18pt) WCAG AA × Fail

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 71.4531, 79.9675, 17.2995 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 71.4531, 79.9675, 17.2995

Background



This preview shows how black text looks on a background with the XYZ color 71.4531, 79.9675, 17.2995.



This preview shows how white text looks on a background with the XYZ color 71.4531, 79.9675,

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

71.4531, 79.9675, 17.2995

Protanopia

73.1339, 80.1881, 27.5429

Deuteranopia

78.0033, 79.9159, 60.0293



Tritanopia

82.3357, 79.9185, 88.1771

Trichromacy



Original Color

71.4531, 79.9675, 17.2995

Protanomaly

72.3012, 79.8551, 23.1582

Deuteranomaly

74.4476, 79.3739, 38.5910

Tritanomaly

76.2519, 79.2153, 50.8063

Monochromacy



Original Color

71.4531, 79.9675, 17.2995

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.4124, 73.9272, 46.7928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4531, 79.9675, 17.2995 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, 233, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 69)  
}
```

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, 233, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 69) }
```

Border

The CSS property to change the border of an element to XYZ 71.4531, 79.9675, 17.2995 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, 233, 69) }
```


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

```
.border{ border-color:rgb(255, 233, 69) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4531, 79.9675, 17.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 69) }
```

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

```
.background{ background-color: rgb(255,  
233, 69) }
```

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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