

# Converting Colors

XYZ(79.1751, 93.6500, 25.3054)

Have a look what the booklet for  
XYZ(79.1751, 93.6500, 25.3054)  
contains.

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# **Color**

**XYZ(79.1577, 93.6431,  
25.2121)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF61
RGB	255, 255, 97
RGB Percent	100%, 100%, 38%
CMY	0.0000, 0.0000, 0.6196
CMYK	0.00, 0.00, 0.62, 0.00
HSL	60°, 100%, 69%
HSV	60°, 62%, 100%
XYZ	79.1577, 93.6431, 25.2121
YIQ	236.9880, 50.7180, -49.1380

# Conversions

## Conversions Part 2

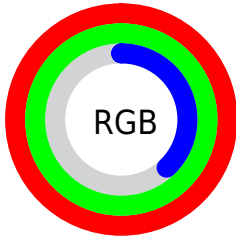
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">97, 255, 97</a>
Decimal	<a href="#">16777057</a>
CIELab	<a href="#">97.49, -18.75, 72.86</a>
CIELCh	<a href="#">97, 75.229, 104.432</a>
Yxy	<a href="#">93.6431, 0.3998, 0.4729</a>
Android (android.graphics.Color)	<a href="#">4294967137</a> (0xFFFFFFFF61)
YUV	<a href="#">236.9880, -69.0141, 15.7965</a>
Hunter-Lab	<a href="#">96.7694, -23.3327, 52.2913</a>

# Details

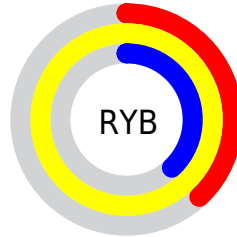
The XYZ color **79.1577, 93.6431, 25.2121** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **27.2555, 18.3120, 96.7058**, and the grayscale version is **80.9736, 85.1905, 92.7724**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **43.2178, 52.5644, 9.3815** is the 20% darker color. If you saturate the color by 10%, you get **78.1534, 93.2413, 19.9248**, and if you desaturate by 10%, it is **80.5441, 94.1976, 32.5136**.

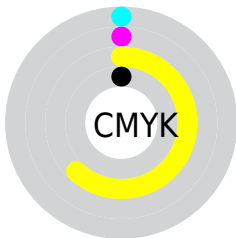
# Distribution



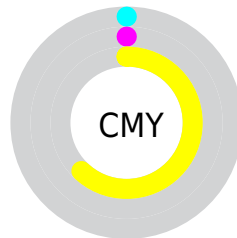
- Red (100%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.1577, 93.6431, 25.2121 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 79.1577, 93.6431, 25.2121 by changing the saturation by 10% instead.





 79.1577, 93.6431,  
25.2121

 79.1577, 93.6431,  
25.2121


480.8696,  
539.8118, 292.3740


 59.3316, 71.0061,  
16.0147


 131.1376,  
152.3887, 52.9695


 43.1275, 52.3472,  
9.3801


 164.0221,  
189.2660, 72.3665

 30.1801, 37.2819,  
4.8897

 201.9900,  
231.6590, 96.0006

 20.1241, 25.4258,  
2.1251

 245.4068,  
279.9520, 124.2901

 12.5941, 16.3946,  
0.6306

294.6378,  
334.5294, 157.6536

 7.2247, 9.8038,  
0.0000

350.0484,

 3.6506, 5.2691,

395.7756, 196.5098

0.0000

412.0038,  
464.0749, 241.2771

■ 1.5064, 2.4060,  
0.0000

■ 0.3302, 0.8290,  
0.0000

■ 79.1577, 93.6431,  
25.2121

■ 79.1577, 93.6431,  
25.2121

■ 78.1534, 93.2413,  
19.9248

■ 80.5441, 94.1976,  
32.5136

■ 77.4930, 92.9772,  
16.4473

■ 82.3455, 94.9182,  
41.9999

■ 77.1305, 92.8322,  
14.5388

■ 84.5917, 95.8167,  
53.8278

■ 76.9997, 92.7798,  
13.8500

■ 87.3093, 96.9037,  
68.1383

90.5231, 98.1892,  
85.0618

94.2561, 99.6824,  
104.7192

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

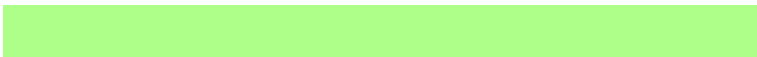
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



100.4868, 93.6431, 25.4505



79.1577, 93.6431, 25.2121



63.2415, 93.6431, 38.9286

# Triad

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



79.1577, 93.6431, 25.2121



62.7843, 93.6431, 208.4398



134.7122, 93.6431, 136.8927

# Complementary

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



79.1577, 93.6431, 25.2121



27.2555, 18.3120, 96.7058

# 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.



120.9585, 93.6431, 211.1060



79.1577, 93.6431, 25.2121



78.4329, 93.6431, 262.3900

# Square

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



79.1577, 93.6431, 25.2121



54.8657, 93.6431, 134.1707



99.6368, 93.6431, 263.5246



134.9900, 93.6431, 75.3695



# Rectangle

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



79.1577, 93.6431, 25.2121



56.8634, 93.6431, 59.1620



99.6368, 93.6431, 263.5246



131.4243, 93.6431, 161.6046

# Sweetspot

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



79.1577, 93.6431, 25.2133



88.2075, 97.2630, 72.8680



47.6730, 30.6734, 14.7184



18.6940, 20.7439, 14.6173



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.



79.1577, 93.6431, 25.2133



77.9920, 93.1768, 19.0751



55.8229, 81.6135, 24.1212



19.5613, 21.0908, 19.1843



40.2340, 48.4795, 7.2369



3.9174, 4.7203, 0.7046



# Inverse Universe

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



27.2555, 18.3120, 96.7058



22.2829, 12.3203, 95.8114



40.2302, 25.0007, 97.3130



17.0031, 17.3778, 22.7080



9.4315, 3.7726, 49.6657

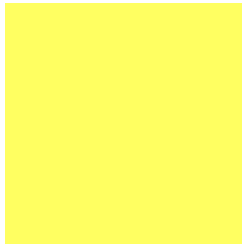


0.9183, 0.3673, 4.8358



# Previews

## White Background



This preview shows how the XYZ color 79.1577, 93.6431, 25.2121 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

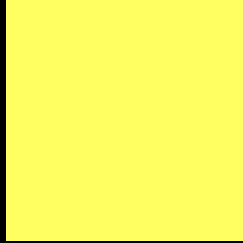
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.1577, 93.6431, 25.2121 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 79.1577, 93.6431, 25.2121**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.1577, 93.6431, 25.2121.



This preview shows how white text looks on a background with the XYZ color 79.1577, 93.6431,



# Color Blindness Simulation

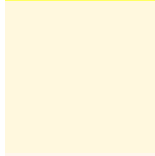
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



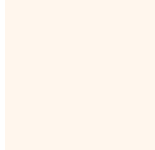
### Original Color

79.1577, 93.6431, 25.2121



### Protanopia

87.9922, 93.6687, 82.5494



### Deuteranopia

89.4818, 93.2860, 93.4106



## Tritanopia

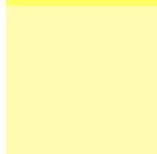
91.3050, 93.5299, 104.5076

# Trichromacy



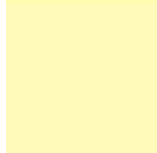
## Original Color

79.1577, 93.6431, 25.2121



## Protanomaly

83.6730, 93.4287, 55.2185



## Deuteranomaly

83.9786, 92.5565, 59.8934



## Tritanomaly

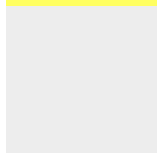
84.9660, 92.9515, 65.0930

# Monochromacy



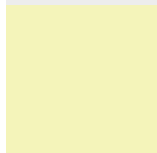
## Original Color

79.1577, 93.6431, 25.2121



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.5218, 87.4796, 59.2011

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.1577, 93.6431, 25.2121 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, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 97)  
}
```

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, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 79.1577, 93.6431, 25.2121 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, 255, 97) }
```



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

```
.border{ border-color:rgb(255, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.1577, 93.6431, 25.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 97) }
```

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

```
.background{ background-color: rgb(255,  
255, 97) }
```

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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