

# Converting Colors

XYZ(78.4667, 92.2701, 21.8556)

Have a look what the booklet for  
XYZ(78.4667, 92.2701, 21.8556)  
contains.

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# **Color**

**XYZ(77.9266, 92.1351,  
21.8603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFD53
RGB	255, 253, 83
RGB Percent	100%, 99%, 33%
CMY	0.0000, 0.0078, 0.6745
CMYK	0.00, 0.01, 0.67, 0.00
HSL	59°, 100%, 66%
HSV	59°, 67%, 100%
XYZ	77.9266, 92.1351, 21.8603
YIQ	234.2180, 55.7620, -52.4460

# Conversions

## Conversions Part 2

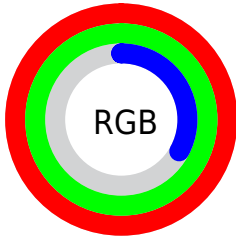
<b>Format</b>	<b>Color</b>
<b>RYB</b>	85, 255, 83
Decimal	16776531
CIELab	96.88, -18.56, 77.50
CIELCh	97, 79.694, 103.468
Yxy	92.1351, 0.4060, 0.4801
Android (android.graphics.Color)	4294966611 (0xFFFFFD53)
YUV	234.2180, -74.5505, 18.2258
Hunter-Lab	95.9870, -23.0630, 53.6881

# Details

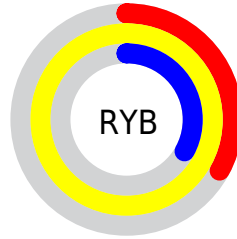
The XYZ color **77.9266, 92.1351, 21.8603** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **24.8660, 15.5559, 96.2991**, and the grayscale version is **78.8920, 83.0005, 90.3876**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **42.4719, 51.5346, 7.7087** is the 20% darker color. If you saturate the color by 10%, you get **77.0252, 91.6289, 17.5639**, and if you desaturate by 10%, it is **79.1943, 92.7949, 28.0661**.

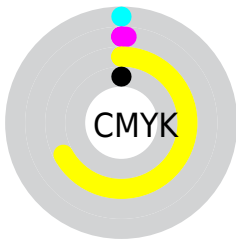
# Distribution



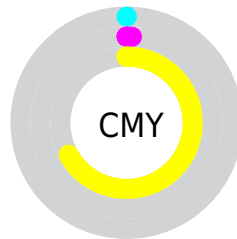
- Red (100%)
- Green (99%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (1%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9266, 92.1351, 21.8603 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 77.9266, 92.1351, 21.8603 by changing the saturation by 10% instead.



77.9266, 92.1351,  
21.8603

77.9266, 92.1351,  
21.8603

476.7611,  
534.9520, 274.7455

58.3163, 69.7528,  
13.5570

129.4126,  
150.3006, 47.4142

42.3072, 51.3251,  
7.6780

162.0189,  
186.8527, 65.5019

29.5341, 36.4674,  
3.8048

199.6879,  
228.8968, 87.6880

19.6315, 24.7954,  
1.5189

242.7850,  
276.8174, 114.3913

12.2342, 15.9247,  
0.2319

291.6755,  
330.9988, 146.0301

6.9767, 9.4709,  
0.0000

346.7248,

3.4937, 5.0496,

391.8254, 183.0230

0.0000

408.2982,  
459.6817, 225.7887

■ 1.4199, 2.2764,  
0.0000

■ 0.2704, 0.7612,  
0.0000

■ 77.9266, 92.1351,  
21.8603

■ 77.9266, 92.1351,  
21.8603

■ 77.0252, 91.6289,  
17.5639

■ 79.1943, 92.7949,  
28.0661

■ 76.4417, 91.2466,  
14.9504


■ 80.8575, 93.6098,  
36.3632


■ 76.1237, 90.9708,  
13.7338

■ 82.9496, 94.5964,  
46.9184

■ 76.0644, 90.9092,  
13.5382

■ 85.4989, 95.7662,  
59.8804

 88.5312, 97.1293,  
75.3852

 92.0704, 98.6955,  
93.5585

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

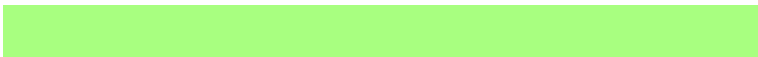
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



100.3962, 92.1351, 22.4837



77.9266, 92.1351, 21.8603



61.1779, 92.1351, 34.8244

# Triad

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



77.9266, 92.1351, 21.8603



59.9059, 92.1351, 211.2328



135.6427, 92.1351, 139.6330

# Complementary

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



77.9266, 92.1351, 21.8603



24.8660, 15.5559, 96.2991

# 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.



120.6375, 92.1351, 218.9799



77.9266, 92.1351, 21.8603



75.8886, 92.1351, 270.9187

# Square

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



77.9266, 92.1351, 21.8603



52.0347, 92.1351, 131.8479



97.9814, 92.1351, 274.2395



136.4415, 92.1351, 74.2662



# Rectangle

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



77.9266, 92.1351, 21.8603



54.4375, 92.1351, 54.7237



97.9814, 92.1351, 274.2395



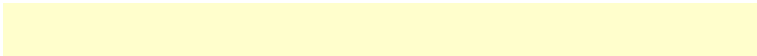
131.9904, 92.1351, 166.0557

# Sweetspot

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



77.9287, 92.1394, 21.8622



87.7109, 96.7633, 71.1811



46.0080, 28.1171, 11.7794



18.5882, 20.6281, 14.2867



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.



77.9287, 92.1394, 21.8622



76.7843, 91.4800, 16.4557



54.3058, 80.9000, 20.9378



19.5422, 21.0525, 19.1779



39.7538, 47.5189, 7.0768



3.8763, 4.6379, 0.6909



# Inverse Universe

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



24.8660, 15.5559, 96.2991



20.4672, 10.2133, 95.5004



36.8980, 21.5290, 96.8179



17.0199, 17.4114, 22.7136



9.4556, 3.8207, 49.6737

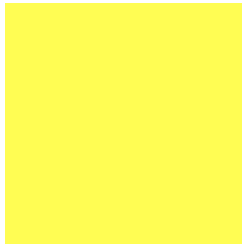


0.9263, 0.3834, 4.8384



# Previews

## White Background



This preview shows how the XYZ color 77.9266, 92.1351, 21.8603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

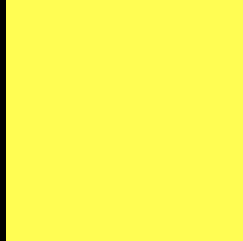
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9266, 92.1351, 21.8603 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 77.9266, 92.1351, 21.8603**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9266, 92.1351, 21.8603.



This preview shows how white text looks on a background with the XYZ color 77.9266, 92.1351,



# 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



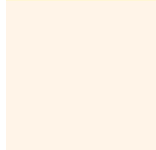
### Original Color

77.9266, 92.1351, 21.8603



### Protanopia

86.2060, 91.9756, 76.1603



### Deuteranopia

88.1562, 91.7876, 89.4144



## Tritanopia

90.3895, 92.2007, 102.6550

# Trichromacy



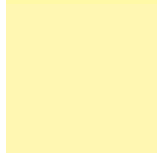
## Original Color

77.9266, 92.1351, 21.8603



## Protanomaly

81.9986, 91.7645, 49.4669



## Deuteranomaly

82.5366, 90.9959, 55.3333



## Tritanomaly

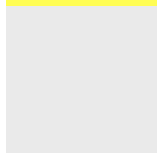
83.6861, 91.4557, 61.3861

# Monochromacy



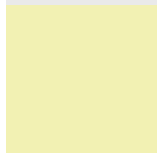
## Original Color

77.9266, 92.1351, 21.8603



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

76.2099, 85.0425, 55.0460

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9266, 92.1351, 21.8603 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, 253, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 83)  
}
```

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, 253, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 83) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9266, 92.1351, 21.8603 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, 253, 83) }
```



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

```
.border{ border-color:rgb(255, 253, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
83) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9266, 92.1351, 21.8603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 83) }
```

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

```
.background{ background-color: rgb(255,  
253, 83) }
```

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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