

# Converting Colors

XYZ(76.5205, 91.1907, 20.1743)

Have a look what the booklet for  
XYZ(76.5205, 91.1907, 20.1743)  
contains.

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# Color

**XYZ(76.2253, 90.8243,  
20.1699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFC4B
RGB	252, 252, 75
RGB Percent	99%, 99%, 29%
CMY	0.0118, 0.0117, 0.7059
CMYK	0.00, 0.00, 0.70, 0.01
HSL	60°, 97%, 64%
HSV	60°, 70%, 99%
XYZ	76.2253, 90.8243, 20.1699
YIQ	231.8220, 56.8170, -55.0470

# Conversions

## Conversions Part 2

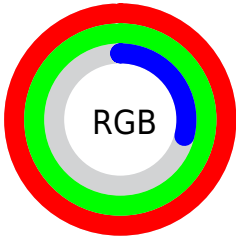
Format	Color
<a href="#">RYB</a>	<a href="#">75, 252, 75</a>
Decimal	<a href="#">16579659</a>
CIELab	<a href="#">96.34, -19.67, 79.68</a>
CIELCh	<a href="#">96, 82.068, 103.870</a>
Yxy	<a href="#">90.8243, 0.4071, 0.4851</a>
Android (android.graphics.Color)	<a href="#">4294769739 (0xFFFFCFC4B)</a>
YUV	<a href="#">231.8220, -77.3132, 17.6961</a>
Hunter-Lab	<a href="#">95.3018, -24.0083, 54.1630</a>

# Details

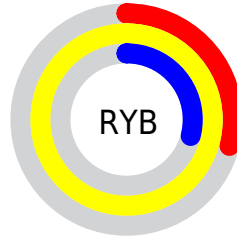
The XYZ color **76.2253, 90.8243, 20.1699** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **22.9910, 13.5581, 93.5064**, and the grayscale version is **77.1014, 81.1166, 88.3360**.

A 20% lighter version of the original color is **81.3031, 94.5012, 36.5097**, and **41.4782, 50.6863, 7.5973** is the 20% darker color. If you saturate the color by 10%, you get **75.5283, 90.5489, 16.4926**, and if you desaturate by 10%, it is **77.2679, 91.2448, 25.6487**.

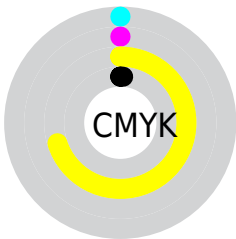
# Distribution



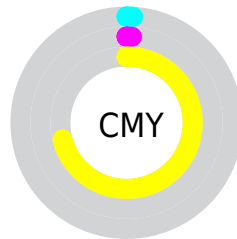
- Red (99%)
- Green (99%)
- Blue (29%)



- Red (29%)
- Yellow (99%)
- Blue (29%)



- Cyan (0%)
- Magenta (0%)
- Yellow (70%)
- Black (1%)




- Cyan (1%)
- Magenta (1%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2253, 90.8243, 20.1699 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 76.2253, 90.8243, 20.1699 by changing the saturation by 10% instead.




 76.2253, 90.8243,  
20.1699


 76.2253, 90.8243,  
20.1699


471.0511,  
530.7086, 265.4680

 56.9150, 68.6645,  
12.3333


 127.0240,  
148.4829, 44.5646


 41.1769, 50.4385,  
6.8458


 159.2431,  
184.7504, 61.9597

 28.6456, 35.7620,  
3.2889


 196.4958,  
226.4894, 83.3781

 18.9558, 24.2504,  
1.2440

 239.1475,  
274.0841, 109.2383

 11.7422, 15.5195,  
0.0152

287.5635,  
327.9190, 139.9589

 6.6393, 9.1848,  
0.0000

342.1092,

 3.2819, 4.8619,

388.3784, 175.9583

0.0000

403.1500,  
455.8469, 217.6552

■ 1.3045, 2.1665,  
0.0000

■ 0.1866, 0.7016,  
0.0000

■ 76.2253, 90.8243,  
20.1699

■ 76.2253, 90.8243,  
20.1699

■ 75.5283, 90.5489,  
16.4926

■ 77.2679, 91.2448,  
25.6487


■ 75.1276, 90.3885,  
14.3846


■ 78.6857, 91.8120,  
33.1131


■ 74.9560, 90.3198,  
13.4829


■ 80.5125, 92.5427,  
42.7307


■ 82.7763, 93.4483,  
54.6498

 85.5029, 94.5390,  
69.0056

 88.7159, 95.8242,  
85.9230

 92.4374, 97.3128,  
105.5181

 93.0103, 97.5421,  
108.5331

 93.0107, 97.5423,  
108.5331

# Harmonies

## Analogous

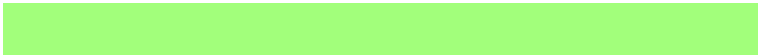
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



99.1032, 90.8243, 20.6178



76.2253, 90.8243, 20.1699



59.3396, 90.8243, 33.1319

# Triad

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



76.2253, 90.8243, 20.1699



58.3914, 90.8243, 214.0969



135.7290, 90.8243, 138.0881

# Complementary

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



76.2253, 90.8243, 20.1699



22.9910, 13.5581, 93.5064

# 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.



120.4579, 90.8243, 220.0173



76.2253, 90.8243, 20.1699



74.6967, 90.8243, 275.4736

# Square

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



76.2253, 90.8243, 20.1699



50.3395, 90.8243, 132.1916



97.2813, 90.8243, 278.0217



136.3357, 90.8243, 71.7147



# Rectangle

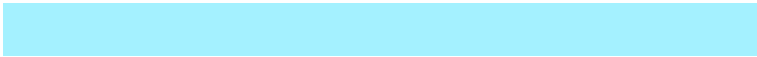
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2253, 90.8243, 20.1699



52.6107, 90.8243, 53.2183



97.2813, 90.8243, 278.0217



132.0338, 90.8243, 165.2284

# Sweetspot

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



76.2274, 90.8285, 20.1718



87.5948, 97.0178, 69.6459



43.9341, 26.2378, 9.4065



18.5751, 20.6963, 13.9918



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.



76.2274, 90.8285, 20.1718



77.3934, 92.9370, 15.9391



51.2910, 77.9733, 19.0048



18.7274, 20.1908, 18.3726



39.0430, 47.0457, 7.0229



3.6161, 4.3573, 0.6504



# Inverse Universe

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



22.9910, 13.5581, 93.5064



19.7429, 9.2596, 95.3545



35.2965, 19.9018, 94.0823



16.2832, 16.6431, 21.7395



9.1529, 3.6612, 48.1978

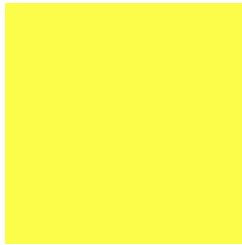


0.8477, 0.3391, 4.4639



# Previews

## White Background



This preview shows how the XYZ color 76.2253, 90.8243, 20.1699 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

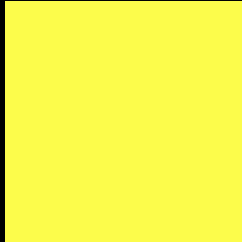
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.2253, 90.8243, 20.1699 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 76.2253, 90.8243, 20.1699**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.2253, 90.8243, 20.1699.



This preview shows how white text looks on a background with the XYZ color 76.2253, 90.8243,



# Color Blindness Simulation

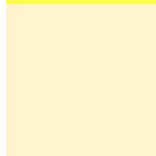
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



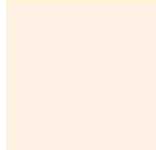
### Original Color

76.2253, 90.8243, 20.1699



### Protanopia

84.4898, 90.3210, 70.1073



### Deuteranopia

86.9957, 90.3657, 86.2559



## Tritanopia

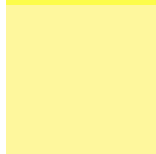
89.4990, 90.4197, 102.3582

# Trichromacy



## Original Color

76.2253, 90.8243, 20.1699



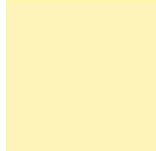
## Protanomaly

80.2196, 90.0267, 45.0472



## Deuteranomaly

81.2752, 89.9609, 52.1103



## Tritanomaly

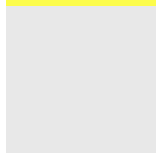
82.0867, 89.3174, 59.3679

# Monochromacy



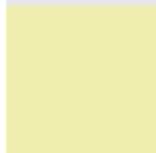
## Original Color

76.2253, 90.8243, 20.1699



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.2010, 83.1789, 52.7018

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.2253, 90.8243, 20.1699 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(252, 252, 75)` looks like.

```
.text, #text, p{  
    color:rgb(252, 252, 75)  
}
```

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(252, 252, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 252, 75) }
```

## Border

The CSS property to change the border of an element to XYZ 76.2253, 90.8243, 20.1699 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(252, 252, 75) }
```



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

```
.border{ border-color:rgb(252, 252, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 252, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 252, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 252, 75);  
box-shadow:4px 4px 4px 4px rgb(252, 252,  
75) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.2253, 90.8243, 20.1699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 252, 75) }
```

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

```
.background{ background-color: rgb(252,  
252, 75) }
```

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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