

# Converting Colors

XYZ(67.5141, 79.9981, 20.6869)

Have a look what the booklet for  
XYZ(67.5141, 79.9981, 20.6869)  
contains.

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# **Color**

**XYZ(67.5141, 79.9981,  
20.6869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEE56
RGB	238, 238, 86
RGB Percent	93%, 93%, 34%
CMY	0.0667, 0.0666, 0.6627
CMYK	0.00, 0.00, 0.64, 0.07
HSL	60°, 82%, 64%
HSV	60°, 64%, 93%
XYZ	67.5141, 79.9981, 20.6869
YIQ	220.6720, 48.7920, -47.2720

# Conversions

## Conversions Part 2

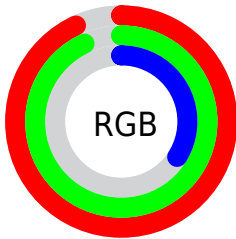
Format	Color
R <sub>Y</sub> B	86, 238, 86
Decimal	15658582
CIE Lab	91.68, -18.03, 70.69
CIE LCh	92, 72.949, 104.311
Yxy	79.9981, 0.4014, 0.4756
Android (android.graphics.Color)	4293848662 (0xFFEEEE56)
YUV	220.6720, -66.3933, 15.1967
Hunter-Lab	89.4417, -21.7840, 48.8960

# Details

The XYZ color **67.5141, 79.9981, 20.6869** 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 **22.6006, 14.8088, 82.5611**, and the grayscale version is **68.9260, 72.5155, 78.9693**.

A 20% lighter version of the original color is **81.8825, 94.7330, 39.5608**, and **35.4359, 43.0866, 7.0650** is the 20% darker color. If you saturate the color by 10%, you get **66.7108, 79.6797, 16.4505**, and if you desaturate by 10%, it is **68.6403, 80.4516, 26.6074**.

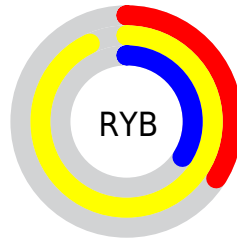
# Distribution



Red (93%)

Green (93%)

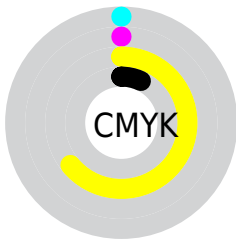
Blue (34%)



Red (34%)

Yellow (93%)

Blue (34%)

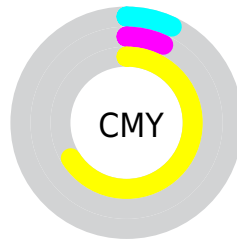


Cyan (0%)

Magenta (0%)

Yellow (64%)

Black (7%)



Cyan (7%)

Magenta (7%)


Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5141, 79.9981, 20.6869 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 67.5141, 79.9981, 20.6869 by changing the saturation by 10% instead.





 67.5141, 79.9981,  
20.6869


 67.5141, 79.9981,  
20.6869


441.1763,  
494.9264, 268.3360

 49.7748, 59.7168,  
12.7063


 114.7025,  
133.3631, 45.4399


 35.4515, 43.1904,  
7.0983


 144.8823,  
167.2155, 63.0493

 24.1790, 30.0345,  
3.4443


 179.9396,  
206.3604, 84.7055

 15.5919, 19.8648,  
1.3257

 220.2397,  
251.1823, 110.8270

 9.3249, 12.2968,  
0.0827

266.1481,  
302.0654, 141.8322

 5.0125, 6.9462,  
0.0000

318.0301,

 2.2894, 3.4284,

359.3942, 178.1397

0.0000

376.2511,  
423.5531, 220.1682

■ 0.7892, 1.3593,  
0.0000

■ 0.0000, 0.1864,  
0.0000

■ 67.5141, 79.9981,  
20.6869

■ 67.5141, 79.9981,  
20.6869

■ 66.7108, 79.6797,  
16.4505

■ 68.6403, 80.4516,  
26.6074

■ 66.1917, 79.4720,  
13.7190


■ 70.1125, 81.0405,  
34.3576

■ 65.9183, 79.3626,  
12.2815

■ 71.9578, 81.7787,  
44.0730


■ 65.8347, 79.3291,  
11.8422


■ 74.1994, 82.6754,  
55.8749

 76.8584, 83.7390,  
69.8751

 79.9545, 84.9775,  
86.1770

 83.5062, 86.3982,  
104.8778

 83.8891, 86.5514,  
106.8924

 83.8895, 86.5516,  
106.8924

# Harmonies

## Analogous

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



86.1485, 79.9981, 20.9331



67.5141, 79.9981, 20.6869



53.6412, 79.9981, 32.3552

# Triad

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



67.5141, 79.9981, 20.6869



53.1592, 79.9981, 180.3134



116.0366, 79.9981, 117.9243

# Complementary

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



67.5141, 79.9981, 20.6869



22.6006, 14.8088, 82.5611

# 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.



103.9293, 79.9981, 183.1662



67.5141, 79.9981, 20.6869



66.7471, 79.9981, 228.0592

# Square

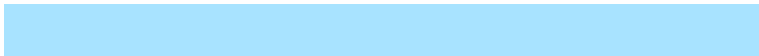
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.5141, 79.9981, 20.6869



46.3192, 79.9981, 115.0275



85.2460, 79.9981, 229.2762



116.3329, 79.9981, 64.1107



# Rectangle

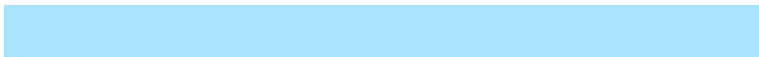
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.5141, 79.9981, 20.6869



48.0884, 79.9981, 49.7465



85.2460, 79.9981, 229.2762



113.1346, 79.9981, 139.6240

# Sweetspot

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



67.5160, 80.0018, 20.6885



88.2067, 97.2626, 72.8680



40.2702, 25.5066, 11.6059



18.6938, 20.7438, 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.



67.5160, 80.0018, 20.6885



77.7769, 93.0904, 17.9592



47.1578, 69.5068, 19.7358



17.1229, 18.4590, 16.8102



36.7269, 44.2550, 6.6063



3.0554, 3.6816, 0.5496



# Inverse Universe

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



22.6006, 14.8088, 82.5611



21.3795, 11.2315, 95.6488



33.6632, 20.5118, 83.0788



14.8974, 15.2288, 19.8759



8.6100, 3.4440, 45.3388

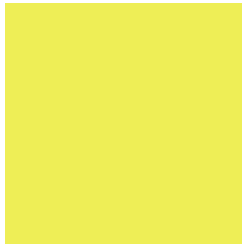


0.7163, 0.2865, 3.7718



# Previews

## White Background



This preview shows how the XYZ color 67.5141, 79.9981, 20.6869 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 67.5141, 79.9981, 20.6869 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 67.5141, 79.9981, 20.6869**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.5141, 79.9981, 20.6869.



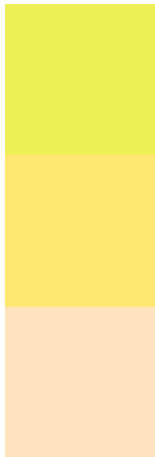
This preview shows how white text looks on a background with the XYZ color 67.5141, 79.9981,



# 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

67.5141, 79.9981, 20.6869

### Protanopia

72.8532, 79.6267, 27.4493

### Deuteranopia

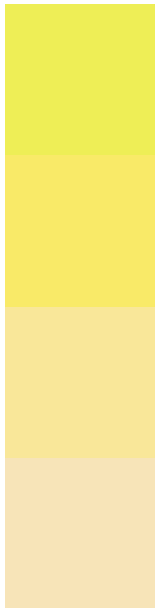
78.1131, 79.9598, 60.6070



## Tritanopia

82.2607, 79.7621, 93.4981

# Trichromacy



## Original Color

67.5141, 79.9981, 20.6869

## Protanomaly

70.9884, 79.9849, 24.7938

## Deuteranomaly

73.3926, 79.5915, 41.6315

## Tritanomaly

74.7529, 78.7217, 56.6023

# Monochromacy



## Original Color

67.5141, 79.9981, 20.6869

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

66.5940, 74.2476, 49.8511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.5141, 79.9981, 20.6869 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(238, 238, 86)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 86)  
}
```

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(238, 238, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 86) }
```

## Border

The CSS property to change the border of an element to XYZ 67.5141, 79.9981, 20.6869 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(238, 238, 86) }
```



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

```
.border{ border-color:rgb(238, 238, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 86);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
86) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.5141, 79.9981, 20.6869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 86) }
```

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

```
.background{ background-color: rgb(238,  
238, 86) }
```

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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