

# Converting Colors

XYZ(27.6359, 20.9443, 97.1938)

Have a look what the booklet for  
XYZ(27.6359, 20.9443, 97.1938)  
contains.

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# Color

**XYZ(27.6113, 20.9151,  
97.1895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5471FF
RGB	84, 113, 255
RGB Percent	33%, 44%, 100%
CMY	0.6705, 0.5569, 0.0000
CMYK	0.67, 0.56, 0.00, 0.00
HSL	230°, 100%, 66%
HSV	230°, 67%, 100%
XYZ	27.6113, 20.9151, 97.1895
YIQ	120.5170, -62.8660, 38.0140

# Conversions

## Conversions Part 2

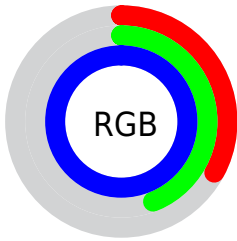
Format	Color
R <sub>Y</sub> B	84, 109, 255
Decimal	5534207
CIE Lab	52.86, 34.35, -73.85
CIE LCh	53, 81.448, 294.945
Yxy	20.9151, 0.1895, 0.1435
Android (android.graphics.Color)	4283724287 (0xFF5471FF)
YUV	120.5170, 66.3001, -32.0254
Hunter-Lab	45.7330, 27.7365, -93.9870

# Details

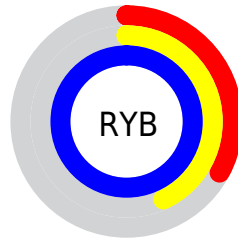
The XYZ color **27.6113, 20.9151, 97.1895** is a light color, and the websafe version is hex **3366FF**. The color can be described as light muted azure. A complement of this color would be **70.0397, 76.2984, 19.4252**, and the grayscale version is **17.8279, 18.7563, 20.4256**.

A 20% lighter version of the original color is **43.9031, 40.2549, 100.0638**, and **12.0263, 7.9276, 53.7197** is the 20% darker color. If you saturate the color by 10%, you get **23.6366, 15.7587, 96.4037**, and if you desaturate by 10%, it is **32.9692, 27.6028, 98.1980**.

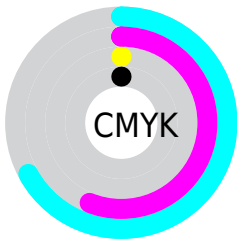
# Distribution



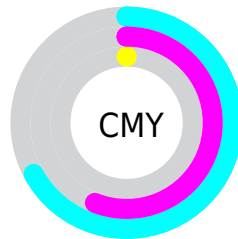
- Red (33%)
- Green (44%)
- Blue (100%)



- Red (33%)
- Yellow (43%)
- Blue (100%)



- Cyan (67%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (56%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6113, 20.9151, 97.1895 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 27.6113, 20.9151, 97.1895 by changing the saturation by 10% instead.



■ 27.6113, 20.9151,  
97.1895

■ 27.6113, 20.9151,  
97.1895

282.7188,  
256.8270, 572.3133

■ 18.1718, 13.0620,  
73.3517

■ 55.2763, 44.9462,  
159.3075

■ 11.1738, 7.4712,  
53.7700

■ 74.2324, 61.8929,  
198.4249

■ 6.2520, 3.7585,  
38.0259

■ 97.0916, 82.6397,  
243.4725

■ 3.0410, 1.5394,  
25.7008

■ 124.2190,  
107.5708, 294.8689

■ 1.1755, 0.3162,  
16.3762

155.9801,  
137.0707, 353.0326

■ 0.0869, 0.0000,  
9.6335

192.7401,

■ 0.0000, 0.0000,

171.5237, 418.3823

5.0542

234.8646,  
211.3144, 491.3363

■ 0.0000, 0.0000,  
2.2198

■ 0.0000, 0.0000,  
0.6858

■ 27.6113, 20.9151,  
97.1895

■ 27.6113, 20.9151,  
97.1895

■ 23.6366, 15.7587,  
96.4037

■ 32.9692, 27.6028,  
98.1980

■ 20.9084, 12.0052,  
95.8230

■ 39.8236, 35.9323,  
99.4444

■ 19.2621, 9.5046,  
95.4271

■ 48.2790, 46.0053,  
100.9431

■ 18.9224, 8.9648,  
95.3408

■ 58.4294, 57.9147,  
102.7068

■ 70.3616, 71.7467,  
104.7478

■ 84.1564, 87.5820,  
107.0772

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.



18.4718, 20.9151, 108.6366



27.6113, 20.9151, 97.1895



36.5114, 20.9151, 61.6949

# Triad

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



27.6113, 20.9151, 97.1895



30.8385, 20.9151, 1.9186



7.6271, 20.9151, 18.8880

# Complementary

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



27.6113, 20.9151, 97.1895



70.0397, 76.2984, 19.4252

# 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.



9.2662, 20.9151, 5.0669



27.6113, 20.9151, 97.1895



21.3563, 20.9151, 0.6992

# Square

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



27.6113, 20.9151, 97.1895



38.7170, 20.9151, 8.1731



13.7448, 20.9151, 1.2294



8.4261, 20.9151, 48.8125



# Rectangle

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



27.6113, 20.9151, 97.1895



40.2416, 20.9151, 37.2455



13.7448, 20.9151, 1.2294



7.8931, 20.9151, 12.6393

# Sweetspot

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



27.6122, 20.9156, 97.1895



66.6573, 67.4683, 104.1172



52.8245, 78.7682, 82.6934



13.5426, 13.6013, 22.1615



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.



27.6122, 20.9156, 97.1895



22.7101, 14.5136, 96.2122



31.7284, 18.9789, 96.5988



17.2518, 17.8753, 22.7910



9.9595, 4.8287, 49.8417



1.0358, 0.6023, 4.8749



# Inverse Universe

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



47.3918, 28.7945, 18.6830



44.0869, 24.2929, 11.0824



61.4086, 84.5574, 21.4743



18.1350, 18.0373, 19.3281



21.8153, 11.2154, 2.4120

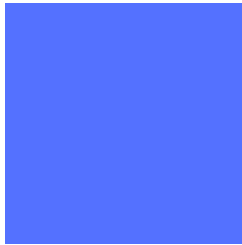


2.1574, 1.1053, 0.4105



# Previews

## White Background



This preview shows how the XYZ color 27.6113, 20.9151, 97.1895 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

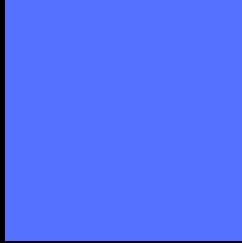
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.6113, 20.9151, 97.1895 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

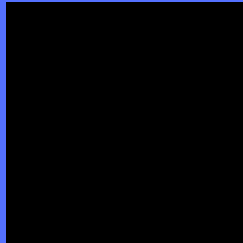
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.6113, 20.9151, 97.1895**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.6113, 20.9151, 97.1895.



This preview shows how white text looks on a background with the XYZ color 27.6113, 20.9151,



# 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

27.6113, 20.9151, 97.1895

### Protanopia

25.1759, 21.0435, 97.3426

### Deuteranopia

20.9040, 20.7123, 72.0034



## Tritanopia

14.7376, 20.6672, 32.0666

# Trichromacy



## Original Color

27.6113, 20.9151, 97.1895

## Protanomaly

25.5247, 20.6905, 97.2561

## Deuteranomaly

22.4993, 20.3977, 80.5932

## Tritanomaly

17.6248, 19.8874, 50.4867

# Monochromacy



## Original Color

27.6113, 20.9151, 97.1895

## Achromatopsia

18.1737, 19.1202, 20.8219

## Achromatomaly

19.9185, 19.0473, 40.6569

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.6113, 20.9151, 97.1895 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(84, 113, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 113, 255)  
}
```

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(84, 113, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 113, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 27.6113, 20.9151, 97.1895 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(84, 113, 255) }
```



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

```
.border{ border-color:rgb(84, 113, 255) }
```

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

Here you see how a box with a 4 pixel rgb(84, 113, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 113, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 113, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 113,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.6113, 20.9151, 97.1895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 113, 255) }
```

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

```
.background{ background-color: rgb(84, 113,  
255) }
```

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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