

Converting Colors

XYZ(27.6188, 23.8816, 97.7617)

Have a look what the booklet for
XYZ(27.6188, 23.8816, 97.7617)
contains.

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Color

**XYZ(27.5876, 23.7904,
97.7457)**

Conversions

Conversions Part 1

Format	Color
Hex	3981FF
RGB	57, 129, 255
RGB Percent	22%, 51%, 100%
CMY	0.7764, 0.4941, 0.0000
CMYK	0.78, 0.49, 0.00, 0.00
HSL	218°, 100%, 61%
HSV	218°, 78%, 100%
XYZ	27.5876, 23.7904, 97.7457
YIQ	121.8360, -83.3580, 23.9220

Conversions

Conversions Part 2

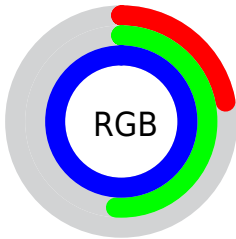
Format	Color
R _Y B	57, 110, 255
Decimal	3768831
CIE Lab	55.88, 21.24, -69.01
CIE LCh	56, 72.201, 287.104
Yxy	23.7904, 0.1850, 0.1595
Android (android.graphics.Color)	4281958911 (0xFF3981FF)
YUV	121.8360, 65.6499, -56.8612
Hunter-Lab	48.7754, 15.6035, -84.6741

Details

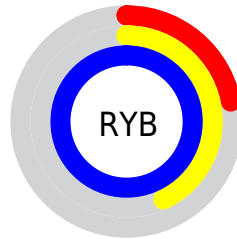
The XYZ color **27.5876, 23.7904, 97.7457** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **58.9156, 55.4290, 11.4667**, and the grayscale version is **18.2595, 19.2104, 20.9202**.

A 20% lighter version of the original color is **43.9339, 45.0930, 100.9960**, and **13.0205, 9.9161, 54.0511** is the 20% darker color. If you saturate the color by 10%, you get **24.5105, 19.2789, 97.0371**, and if you desaturate by 10%, it is **31.7352, 29.3580, 98.6018**.

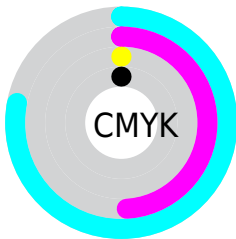
Distribution



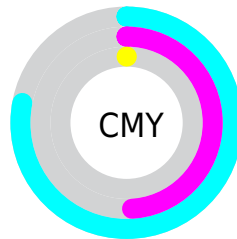
- Red (22%)
- Green (51%)
- Blue (100%)



- Red (22%)
- Yellow (43%)
- Blue (100%)



- Cyan (78%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5876, 23.7904, 97.7457 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 27.5876, 23.7904, 97.7457 by changing the saturation by 10% instead.

■ 27.5876, 23.7904,
97.7457

■ 27.5876, 23.7904,
97.7457

282.6070,
271.7591, 574.1255

■ 18.1539, 15.1782,
73.8129

■ 55.2386, 49.6879,
160.0805

■ 11.1609, 8.9446,
54.1450

■ 74.1866, 67.7421,
199.3196

■ 6.2432, 4.7050,
38.3237

■ 97.0368, 89.7124,
244.4979

■ 3.0356, 2.0753,
25.9302

■ 124.1544,
115.9831, 296.0338

■ 1.1726, 0.6507,
16.5461

155.9049,
146.9388, 354.3461

■ 0.0846, 0.0000,
9.7529

192.6536,

■ 0.0000, 0.0000,

182.9637, 419.8530

5.1320

234.7658,
224.4424, 492.9734

■ 0.0000, 0.0000,
2.2648

■ 0.0000, 0.0000,
0.7114

■ 27.5876, 23.7904,
97.7457

■ 27.5876, 23.7904,
97.7457

■ 24.5105, 19.2789,
97.0371

■ 31.7352, 29.3580,
98.6018

■ 22.3579, 15.7241,
96.4644

■ 37.0613, 36.0592,
99.6145

■ 21.9394, 14.9987,
96.3465

■ 43.6626, 43.9647,
100.7925

■ 51.6241, 53.1382,
102.1436

■ 61.0230, 63.6382,
103.6749

■ 71.9305, 75.5192,
105.3933

■ 84.4128, 88.8324,
107.3051

■ 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.



19.2642, 23.7904, 99.8463



27.5876, 23.7904, 97.7457



36.2834, 23.7904, 70.5579

Triad

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



27.5876, 23.7904, 97.7457



35.1698, 23.7904, 4.8780



10.4375, 23.7904, 17.0561

Complementary

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



27.5876, 23.7904, 97.7457



58.9156, 55.4290, 11.4667

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.



12.8953, 23.7904, 5.6918



27.5876, 23.7904, 97.7457



26.3269, 23.7904, 2.0896

Square

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



27.5876, 23.7904, 97.7457



41.3371, 23.7904, 14.7391



18.2739, 23.7904, 2.2544



10.6180, 23.7904, 41.6318

Rectangle

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



27.5876, 23.7904, 97.7457



40.5257, 23.7904, 47.8128



18.2739, 23.7904, 2.2544



10.9515, 23.7904, 11.9800

Sweetspot

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



27.5886, 23.7910, 97.7458



65.8932, 68.9768, 104.4487



45.9338, 75.7845, 56.6832



13.2863, 13.8688, 22.2266



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.



27.5886, 23.7910, 97.7458



23.2545, 17.2628, 96.7142



23.1179, 12.0058, 95.7066



17.5437, 18.4589, 22.8882



11.5928, 8.0951, 50.3861



1.2283, 0.9872, 4.9391

Inverse Universe

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



46.6664, 25.7729, 23.2842



43.9564, 22.6888, 15.1792



68.6852, 88.4082, 17.3174



18.2823, 18.0962, 20.1038



22.6397, 11.5452, 6.7531



2.2546, 1.1442, 0.9221

Previews

White Background



This preview shows how the XYZ color 27.5876, 23.7904, 97.7457 looks on a white background.

Color Contrast Check

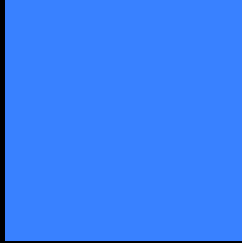
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5876, 23.7904, 97.7457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

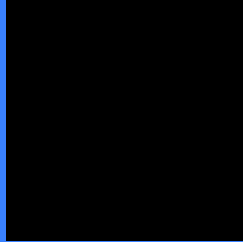
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

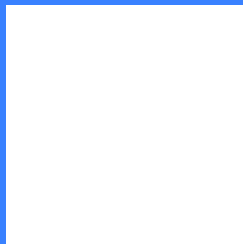
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5876, 23.7904, 97.7457

Background



This preview shows how black text looks on a background with the XYZ color 27.5876, 23.7904, 97.7457.



This preview shows how white text looks on a background with the XYZ color 27.5876, 23.7904,

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

27.5876, 23.7904, 97.7457

Protanopia

27.8247, 23.9126, 97.7568

Deuteranopia

24.0902, 23.7227, 83.4300



Tritanopia

16.7615, 23.6484, 36.0289

Trichromacy



Original Color

27.5876, 23.7904, 97.7457

Protanomaly

27.7637, 23.8812, 97.7540

Deuteranomaly

25.0259, 23.4661, 88.7984

Tritanomaly

19.4598, 23.0594, 53.8774

Monochromacy



Original Color

27.5876, 23.7904, 97.7457

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.6263, 20.1662, 40.8883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5876, 23.7904, 97.7457 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(57, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(57, 129, 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(57, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 129, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.5876, 23.7904, 97.7457 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(57, 129, 255) }
```


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

```
.border{ border-color:rgb(57, 129, 255) }
```

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

Here you see how a box with a 4 pixel rgb(57, 129, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 129, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 129, 255);  
box-shadow:4px 4px 4px 4px rgb(57, 129,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5876, 23.7904, 97.7457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 129, 255) }
```

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

```
.background{ background-color: rgb(57, 129,  
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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