

Converting Colors

XYZ(29.5792, 22.9761, 97.4836)

Have a look what the booklet for
XYZ(29.5792, 22.9761, 97.4836)
contains.

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Color

**XYZ(29.5766, 22.9550,
97.4797)**

Conversions

Conversions Part 1

Format	Color
Hex	6177FF
RGB	97, 119, 255
RGB Percent	38%, 47%, 100%
CMY	0.6196, 0.5333, 0.0000
CMYK	0.62, 0.53, 0.00, 0.00
HSL	232°, 100%, 69%
HSV	232°, 62%, 100%
XYZ	29.5766, 22.9550, 97.4797
YIQ	127.9260, -56.7680, 37.6320

Conversions

Conversions Part 2

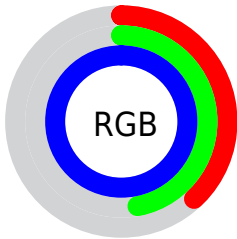
Format	Color
R _Y B	97, 116, 255
Decimal	6387711
CIE Lab	55.03, 32.68, -70.30
CIE LCh	55, 77.524, 294.930
Yxy	22.9550, 0.1972, 0.1530
Android (android.graphics.Color)	4284577791 (0xFF6177FF)
YUV	127.9260, 62.6475, -27.1221
Hunter-Lab	47.9114, 26.3465, -87.0925

Details

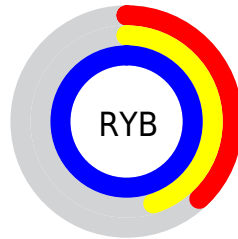
The XYZ color **29.5766, 22.9550, 97.4797** is a light color, and the websafe version is hex **3366FF**. A complement of this color would be **72.5394, 80.4058, 23.0081**, and the grayscale version is **20.2973, 21.3544, 23.2549**.

A 20% lighter version of the original color is **47.1101, 43.8194, 100.5828**, and **12.3313, 8.5377, 53.8213** is the 20% darker color. If you saturate the color by 10%, you get **24.9653, 17.1375, 96.5998**, and if you desaturate by 10%, it is **35.6659, 30.4301, 98.6015**.

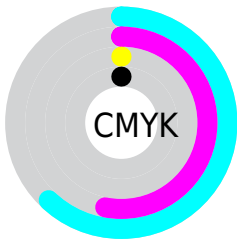
Distribution



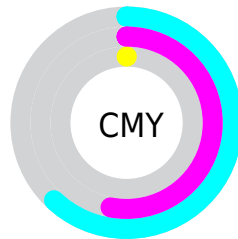
- Red (38%)
- Green (47%)
- Blue (100%)



- Red (38%)
- Yellow (45%)
- Blue (100%)



- Cyan (62%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5766, 22.9550, 97.4797 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 29.5766, 22.9550, 97.4797 by changing the saturation by 10% instead.

■ 29.5766, 22.9550,
97.4797

■ 29.5766, 22.9550,
97.4797

291.8712,
267.4938, 573.2593

■ 19.6639, 14.5603,
73.5923

■ 58.3832, 48.3194,
159.7109

■ 12.2578, 8.5114,
53.9656

■ 78.0078, 66.0579,
198.8918

■ 6.9930, 4.4239,
38.1812

■ 101.6004, 87.6798,
244.0076

■ 3.5040, 1.9134,
25.8204

129.5264,
113.5695, 295.4769

■ 1.4255, 0.5564,
16.4648

162.1511,
144.1113, 353.7181

■ 0.2743, 0.0000,
9.6957

199.8400,

■ 0.0000, 0.0000,

179.6897, 419.1499

5.0947

242.9582,
220.6891, 492.1908

■ 0.0000, 0.0000,
2.2432

■ 0.0000, 0.0000,
0.6992

■ 29.5766, 22.9550,
97.4797

■ 29.5766, 22.9550,
97.4797

■ 24.9653, 17.1375,
96.5998

■ 35.6659, 30.4301,
98.6015

■ 21.6999, 12.8467,
95.9437

■ 43.3440, 39.6761,
99.9815

■ 19.6289, 9.9339,
95.4906

■ 52.7143, 50.7984,
101.6345

■ 18.6657, 8.4514,
95.2552

■ 63.8705, 63.8933,
103.5740

■ 76.8994, 79.0508,
105.8130

■ 91.8822, 96.3549,
108.3634

■ 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.



20.3858, 22.9550, 108.3596



29.5766, 22.9550, 97.4797



38.3892, 22.9550, 63.3922

Triad

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



29.5766, 22.9550, 97.4797



32.7943, 22.9550, 2.7966



9.1225, 22.9550, 21.0294

Complementary

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



29.5766, 22.9550, 97.4797



72.5394, 80.4058, 23.0081

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.



10.8698, 22.9550, 6.4377



29.5766, 22.9550, 97.4797



23.3158, 22.9550, 1.2600

Square

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



29.5766, 22.9550, 97.4797



40.5639, 22.9550, 9.8499



15.5509, 22.9550, 1.9312



9.9750, 22.9550, 50.8164

Rectangle

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



29.5766, 22.9550, 97.4797



42.0549, 22.9550, 39.4788



15.5509, 22.9550, 1.9312



9.4079, 22.9550, 14.5722

Sweetspot

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



29.5776, 22.9556, 97.4797



67.5248, 68.1572, 104.2045



55.1571, 79.8484, 88.3298



13.6960, 13.7051, 22.1734



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.



29.5776, 22.9556, 97.4797



24.1934, 16.1414, 96.4482



35.3317, 22.4760, 97.0839



17.2069, 17.7854, 22.7760



9.8148, 4.5392, 49.7934



1.0146, 0.5600, 4.8679

Inverse Universe

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



48.8453, 31.1429, 20.8896



45.1624, 25.9742, 12.8886



61.6583, 84.6217, 24.3953



18.1123, 18.0282, 19.2087



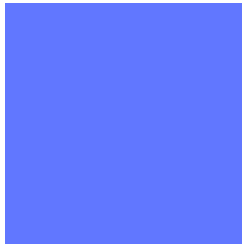
21.7423, 11.1862, 2.0273



2.1467, 1.1011, 0.3542

Previews

White Background



This preview shows how the XYZ color 29.5766, 22.9550, 97.4797 looks on a white background.

Color Contrast Check

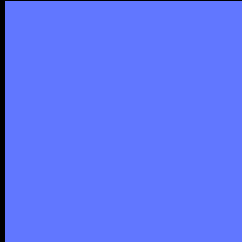
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5766, 22.9550, 97.4797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

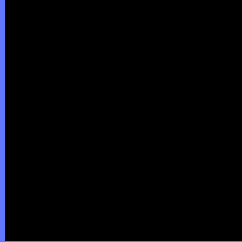
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5766, 22.9550, 97.4797

Background



This preview shows how black text looks on a background with the XYZ color 29.5766, 22.9550, 97.4797.



This preview shows how white text looks on a background with the XYZ color 29.5766, 22.9550,

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

29.5766, 22.9550, 97.4797

Protanopia

27.1076, 23.1556, 97.6485

Deuteranopia

23.3764, 22.9907, 81.0475



Tritanopia

17.0562, 22.9047, 34.9746

Trichromacy



Original Color

29.5766, 22.9550, 97.4797

Protanomaly

27.7119, 22.9005, 97.5674

Deuteranomaly

24.5704, 22.4686, 87.0463

Tritanomaly

20.2928, 22.2237, 53.0892

Monochromacy



Original Color

29.5766, 22.9550, 97.4797

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.3097, 21.5051, 43.0195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5766, 22.9550, 97.4797 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(97, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 119, 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(97, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 119, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.5766, 22.9550, 97.4797 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(97, 119, 255) }
```


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

```
.border{ border-color:rgb(97, 119, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 119, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 119,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5766, 22.9550, 97.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 119, 255) }
```

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

```
.background{ background-color: rgb(97, 119,  
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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