

Converting Colors

XYZ(27.1330, 22.3851, 97.4984)

Have a look what the booklet for
XYZ(27.1330, 22.3851, 97.4984)
contains.

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Color

**XYZ(27.1829, 22.4427,
97.5069)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7BFF
RGB	63, 123, 255
RGB Percent	25%, 48%, 100%
CMY	0.7529, 0.5176, 0.0000
CMYK	0.75, 0.52, 0.00, 0.00
HSL	221°, 100%, 62%
HSV	221°, 75%, 100%
XYZ	27.1829, 22.4427, 97.5069
YIQ	120.1080, -78.1320, 28.3320

Conversions

Conversions Part 2

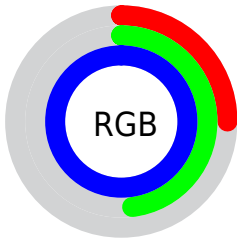
Format	Color
R _Y B	63, 109, 255
Decimal	4160511
CIE Lab	54.49, 25.57, -71.24
CIE LCh	54, 75.687, 289.747
Yxy	22.4427, 0.1848, 0.1525
Android (android.graphics.Color)	4282350591 (0xFF3F7BFF)
YUV	120.1080, 66.5018, -50.0837
Hunter-Lab	47.3737, 19.5187, -88.8719

Details

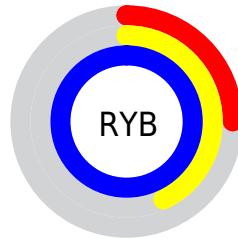
The XYZ color **27.1829, 22.4427, 97.5069** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **61.6561, 60.6560, 13.1630**, and the grayscale version is **17.7008, 18.6227, 20.2801**.

A 20% lighter version of the original color is **43.3716, 43.0308, 100.6276**, and **12.5941, 9.0634, 53.9089** is the 20% darker color. If you saturate the color by 10%, you get **23.9309, 17.8216, 96.7864**, and if you desaturate by 10%, it is **31.5796, 28.2322, 98.3927**.

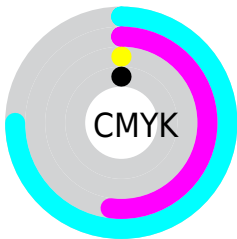
Distribution



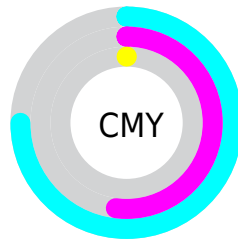
- Red (25%)
- Green (48%)
- Blue (100%)



- Red (25%)
- Yellow (43%)
- Blue (100%)



- Cyan (75%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1829, 22.4427, 97.5069 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 27.1829, 22.4427, 97.5069 by changing the saturation by 10% instead.

■ 27.1829, 22.4427,
97.5069

■ 27.1829, 22.4427,
97.5069

280.6930,
264.8495, 573.3479

■ 17.8479, 14.1826,
73.6149

■ 54.5950, 47.4766,
159.7487

■ 10.9399, 8.2477,
53.9840

■ 73.4029, 65.0191,
198.9356

■ 6.0934, 4.2539,
38.1958

■ 96.0992, 86.4246,
244.0578

■ 2.9432, 1.8166,
25.8317

■ 123.0491,
112.0774, 295.5338

■ 1.1238, 0.4975,
16.4731

154.6181,
142.3619, 353.7824

■ 0.0449, 0.0000,
9.7016

191.1715,

■ 0.0000, 0.0000,

177.6625, 419.2218

5.0985

233.0747,
218.3635, 492.2708

■ 0.0000, 0.0000,
2.2454

■ 0.0000, 0.0000,
0.7004

■ 27.1829, 22.4427,
97.5069

■ 27.1829, 22.4427,
97.5069

■ 23.9309, 17.8216,
96.7864

■ 31.5796, 28.2322,
98.3927

■ 21.6862, 14.2671,
96.2186

■ 37.2295, 35.2745,
99.4542

■ 20.8948, 12.9097,
95.9983

■ 44.2304, 43.6468,
100.7012

■ 52.6692, 53.4188,
102.1426

■ 62.6249, 64.6551,
103.7867

■ 74.1708, 77.4160,
105.6413

■ 87.3751, 91.7582,
107.7137

■ 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.



18.6178, 22.4427, 102.5103



27.1829, 22.4427, 97.5069



35.9561, 22.4427, 67.3963

Triad

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



27.1829, 22.4427, 97.5069



33.3778, 22.4427, 3.5305



9.1760, 22.4427, 17.1781

Complementary

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



27.1829, 22.4427, 97.5069



61.6561, 60.6560, 13.1630

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.



11.3317, 22.4427, 5.2156



27.1829, 22.4427, 97.5069



24.2960, 22.4427, 1.4187

Square

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



27.1829, 22.4427, 97.5069



40.1262, 22.4427, 12.0295



16.3859, 22.4427, 1.7326



9.5707, 22.4427, 43.3338

Rectangle

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



27.1829, 22.4427, 97.5069



40.0530, 22.4427, 43.8905



16.3859, 22.4427, 1.7326



9.5989, 22.4427, 11.7952

Sweetspot

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



27.1839, 22.4433, 97.5070



65.1239, 67.4383, 104.1922



47.5715, 76.4815, 63.4148



13.1028, 13.5018, 22.1655



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.



27.1839, 22.4433, 97.5070



22.7571, 16.0207, 96.5006



24.8883, 13.3852, 95.8796



17.4660, 18.3036, 22.8623



11.0346, 6.9788, 50.2000



1.1670, 0.8648, 4.9187

Inverse Universe

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



46.5935, 26.2468, 21.3494



43.7657, 22.8438, 13.4624



66.1132, 87.0639, 18.0254



18.2431, 18.0806, 19.8974



22.3579, 11.4325, 5.2694



2.2237, 1.1318, 0.7593

Previews

White Background



This preview shows how the XYZ color 27.1829, 22.4427, 97.5069 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 27.1829, 22.4427, 97.5069 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

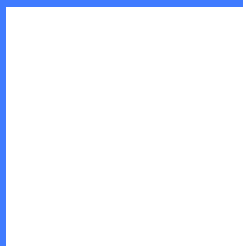
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1829, 22.4427, 97.5069

Background



This preview shows how black text looks on a background with the XYZ color 27.1829, 22.4427, 97.5069.



This preview shows how white text looks on a background with the XYZ color 27.1829, 22.4427,

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

27.1829, 22.4427, 97.5069

Protanopia

26.5559, 22.4916, 97.5494

Deuteranopia

22.5342, 22.2157, 77.9633



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

27.1829, 22.4427, 97.5069

Protanomaly

26.7258, 22.3922, 97.5213

Deuteranomaly

23.7836, 22.1147, 84.6764

Tritanomaly

18.5615, 21.5521, 52.4719

Monochromacy



Original Color

27.1829, 22.4427, 97.5069

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.1444, 19.1920, 40.2315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1829, 22.4427, 97.5069 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(63, 123, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 123, 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(63, 123, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 123, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.1829, 22.4427, 97.5069 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(63, 123, 255) }
```


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

```
.border{ border-color:rgb(63, 123, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 123, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 123, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 123, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 123,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1829, 22.4427, 97.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 123, 255) }
```

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

```
.background{ background-color: rgb(63, 123,  
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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