

Converting Colors

XYZ(15.4623, 20.1407, 95.7101)

Have a look what the booklet for
XYZ(15.4623, 20.1407, 95.7101)
contains.

XYZ(27.2545, 26.1416, 96.5379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.2545, 26.1416,
96.5379)**

Conversions

Conversions Part 1

Format	Color
Hex	008DFD
RGB	0, 141, 253
RGB Percent	0%, 55%, 99%
CMY	0.9997, 0.4471, 0.0078
CMYK	1.00, 0.44, 0.00, 0.01
HSL	207°, 100%, 50%
HSV	207°, 100%, 99%
XYZ	27.2545, 26.1416, 96.5379
YIQ	111.6090, -119.9880, 4.9400

Conversions

Conversions Part 2

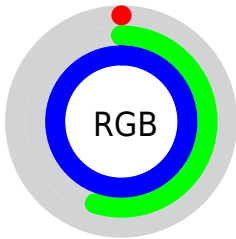
Format	Color
R _{YB}	0, 91, 253
Decimal	36349
CIE _{Lab}	58.17, 10.01, -64.25
CIE _{LCh}	58, 65.030, 278.855
Y _{xy}	26.1416, 0.1818, 0.1744
Android (android.graphics.Color)	4278226429 (0xFF008DFD)
Y _{UV}	111.6090, 69.7058, -97.8811
Hunter-Lab	51.1289, 5.6748, -76.1570

Details

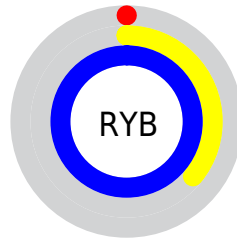
The XYZ color **27.2545, 26.1416, 96.5379** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **46.3111, 32.4878, 3.8321**, and the grayscale version is **15.1217, 15.9092, 17.3251**.

A 20% lighter version of the original color is **44.0239, 49.2483, 101.7933**, and **13.7910, 11.6398, 53.7444** is the 20% darker color. If you saturate the color by 10%, you get **27.2498, 26.1321, 96.5369**, and if you desaturate by 10%, it is **29.4013, 29.8261, 97.1366**.

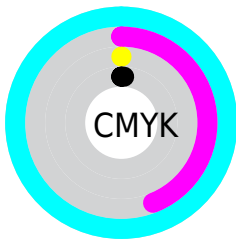
Distribution



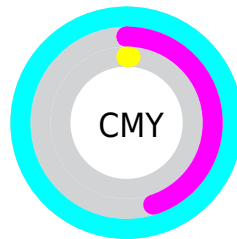
- Red (0%)
- Green (55%)
- Blue (99%)



- Red (0%)
- Yellow (36%)
- Blue (99%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (45%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2545, 26.1416, 96.5379 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 27.2545, 26.1416, 96.5379 by changing the saturation by 10% instead.

■ 27.2545, 26.1416,
96.5379

■ 27.2545, 26.1416,
96.5379

281.0324,
283.4765, 570.1864

■ 17.9020, 16.9296,
72.8117

■ 54.7090, 53.5033,
158.4014

■ 10.9789, 10.1843,
53.3311

■ 73.5417, 72.4218,
197.3757

■ 6.1199, 5.5213,
37.6776

■ 96.2653, 95.3445,
242.2699

■ 2.9595, 2.5563,
25.4327

■ 123.2450,
122.6560, 293.5023

■ 1.1324, 0.9047,
16.1778

■ 154.8462,
154.7405, 351.4917

■ 0.0519, 0.0000,
9.4943

191.4342,

■ 0.0000, 0.0000,

191.9825, 416.6565

4.9638

233.3745,
234.7664, 489.4152

■ 0.0000, 0.0000,
2.1677

■ 0.0000, 0.0000,
0.6556

■ 27.2545, 26.1416,
96.5379

■ 27.2545, 26.1416,
96.5379

■ 27.2498, 26.1321,
96.5369

■ 29.4013, 29.8261,
97.1366

■ 32.2483, 34.1266,
97.8166

■ 35.9625, 39.1360,
98.5877

■ 40.6472, 44.9140,
99.4561

■ 46.3892, 51.5117,
100.4270

■ 53.2650, 58.9747,
101.5050

■ 61.3434, 67.3441,
102.6947

■ 70.6874, 76.6583,
104.0001

■ 81.3552, 86.9526,
105.4248

Harmonies

Analogous

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



19.7688, 26.1416, 91.2074



27.2545, 26.1416, 96.5379



35.6240, 26.1416, 77.4374

Triad

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



27.2545, 26.1416, 96.5379



38.6231, 26.1416, 8.9888



13.2188, 26.1416, 15.4973

Complementary

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



27.2545, 26.1416, 96.5379



46.3111, 32.4878, 3.8321

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.



16.4971, 26.1416, 6.2719



27.2545, 26.1416, 96.5379



30.7274, 26.1416, 4.1358

Square

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



27.2545, 26.1416, 96.5379



43.0408, 26.1416, 22.2893



22.5853, 26.1416, 3.5058



12.6747, 26.1416, 35.6846

Rectangle

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



27.2545, 26.1416, 96.5379



40.2135, 26.1416, 57.3473



22.5853, 26.1416, 3.5058



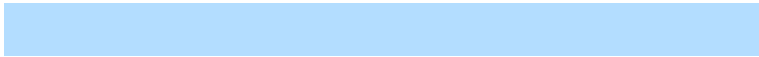
13.9982, 26.1416, 11.3940

Sweetspot

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



27.2557, 26.1423, 96.5386



62.4144, 68.5229, 104.5444



37.9233, 71.3703, 26.4366



12.5844, 13.8732, 22.2645



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.



27.2557, 26.1423, 96.5386



27.7351, 26.5903, 98.2784



17.9301, 7.4913, 93.4301



17.8425, 19.0565, 22.9878



14.6436, 14.1967, 51.4030



1.5348, 1.6002, 5.0413

Inverse Universe

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



45.3169, 22.8075, 27.2134



46.1286, 23.2154, 27.6731



70.5442, 80.9540, 11.9097



18.4331, 18.1566, 20.8980



24.1796, 12.1611, 14.8621



2.4093, 1.2061, 1.7367

Previews

White Background



This preview shows how the XYZ color 27.2545, 26.1416, 96.5379 looks on a white background.

Color Contrast Check

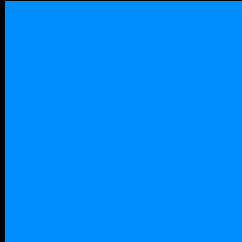
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2545, 26.1416, 96.5379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

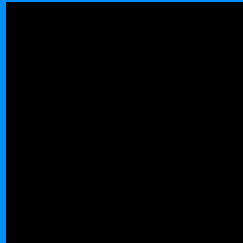
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

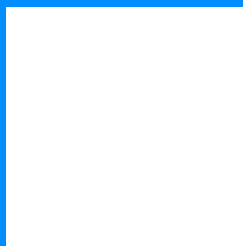
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2545, 26.1416, 96.5379

Background



This preview shows how black text looks on a background with the XYZ color 27.2545, 26.1416, 96.5379.



This preview shows how white text looks on a background with the XYZ color 27.2545, 26.1416,

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

27.2545, 26.1416, 96.5379

Protanopia

29.2902, 26.0218, 91.4746

Deuteranopia

26.9375, 26.0148, 94.8684



Tritanopia

18.5129, 26.1593, 39.6708

Trichromacy



Original Color

27.2545, 26.1416, 96.5379

Protanomaly

27.6201, 25.5431, 93.0971

Deuteranomaly

27.0956, 26.0780, 95.7009

Tritanomaly

20.9844, 25.8439, 56.7057

Monochromacy



Original Color

27.2545, 26.1416, 96.5379

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.2924, 18.1499, 37.2949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2545, 26.1416, 96.5379 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(0, 141, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 253)  
}
```

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(0, 141, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 253) }
```

Border

The CSS property to change the border of an element to XYZ 27.2545, 26.1416, 96.5379 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(0, 141, 253) }
```


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

```
.border{ border-color:rgb(0, 141, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2545, 26.1416, 96.5379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 253) }
```

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

```
.background{ background-color: rgb(0, 141,  
253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor