

Converting Colors

XYZ(28.7221, 28.6696, 97.7653)

Have a look what the booklet for
XYZ(28.7221, 28.6696, 97.7653)
contains.

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Color

**XYZ(28.7495, 28.7087,
97.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	0995FE
RGB	9, 149, 254
RGB Percent	4%, 58%, 100%
CMY	0.9644, 0.4157, 0.0039
CMYK	0.96, 0.41, 0.00, 0.00
HSL	206°, 99%, 52%
HSV	206°, 96%, 100%
XYZ	28.7495, 28.7087, 97.7920
YIQ	119.1100, -117.1450, 2.9750

Conversions

Conversions Part 2

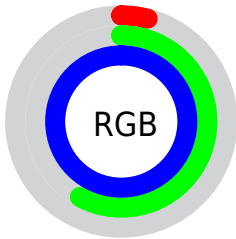
Format	Color
R _Y B	9, 98, 254
Decimal	628222
CIE Lab	60.52, 5.79, -61.03
CIE LCh	61, 61.301, 275.421
Yxy	28.7087, 0.1852, 0.1849
Android (android.graphics.Color)	4278818302 (0xFF0995FE)
YUV	119.1100, 66.5008, -96.5665
Hunter-Lab	53.5805, 2.0112, -70.7063

Details

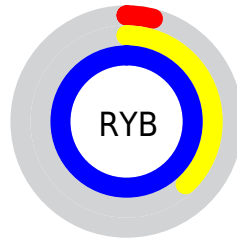
The XYZ color **28.7495, 28.7087, 97.7920** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **46.9491, 33.1430, 4.1834**, and the grayscale version is **17.3998, 18.3060, 19.9352**.

A 20% lighter version of the original color is **46.2160, 53.4426, 102.4874**, and **14.5399, 12.9549, 54.5575** is the 20% darker color. If you saturate the color by 10%, you get **28.0316, 27.4400, 97.5856**, and if you desaturate by 10%, it is **31.1168, 32.6076, 98.4205**.

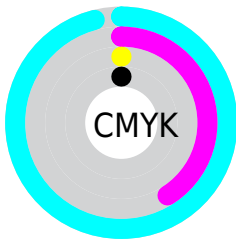
Distribution



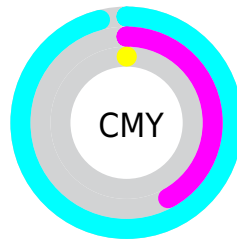
- Red (4%)
- Green (58%)
- Blue (100%)



- Red (4%)
- Yellow (38%)
- Blue (100%)



- Cyan (96%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7495, 28.7087, 97.7920 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 28.7495, 28.7087, 97.7920 by changing the saturation by 10% instead.

■ 28.7495, 28.7087,
97.7920

■ 28.7495, 28.7087,
97.7920

288.0468,
295.8380, 574.2763

■ 19.0347, 18.8606,
73.8513

■ 57.0792, 57.6139,
160.1449

■ 11.7995, 11.5696,
54.1763

■ 76.4248, 77.4398,
199.3941

■ 6.6785, 6.4513,
38.3485

■ 99.7114, 101.3605,
244.5832

■ 3.3064, 3.1214,
25.9493

■ 127.3043,
129.7602, 296.1308

■ 1.3178, 1.1954,
16.5603

■ 159.5690,
163.0234, 354.4553

■ 0.1965, 0.0580,
9.7629

196.8707,

■ 0.0000, 0.0000,

201.5345, 419.9754

5.1385

239.5749,
245.6779, 493.1095

■ 0.0000, 0.0000,
2.2686

■ 0.0000, 0.0000,
0.7135

■ 28.7495, 28.7087,
97.7920

■ 28.7495, 28.7087,
97.7920

■ 28.0316, 27.4400,
97.5856

■ 31.1168, 32.6076,
98.4205

■ 34.2668, 37.1551,
99.1322

■ 38.3212, 42.4203,
99.9348

■ 43.3769, 48.4590,
100.8339

■ 49.5171, 55.3197,
101.8345

■ 56.8156, 63.0459,
102.9412

■ 65.3393, 71.6773,
104.1580

■ 75.1494, 81.2508,
105.4888

■ 86.3032, 91.8008,
106.9373

Harmonies

Analogous

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



21.4353, 28.7087, 89.9817



28.7495, 28.7087, 97.7920



37.0883, 28.7087, 81.9061

Triad

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



28.7495, 28.7087, 97.7920



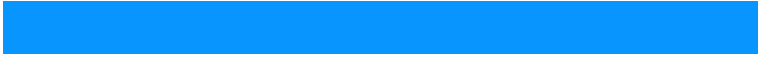
41.6571, 28.7087, 12.1958



15.6581, 28.7087, 16.4126

Complementary

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



28.7495, 28.7087, 97.7920



46.9491, 33.1430, 4.1834

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.



19.3848, 28.7087, 7.4994



28.7495, 28.7087, 97.7920



34.1166, 28.7087, 6.0196

Square

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



28.7495, 28.7087, 97.7920



45.4075, 28.7087, 27.3205



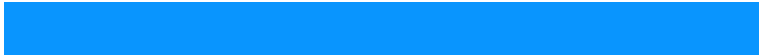
25.8745, 28.7087, 4.8528



14.7705, 28.7087, 35.5587

Rectangle

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



28.7495, 28.7087, 97.7920



41.8275, 28.7087, 63.0809



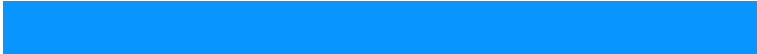
25.8745, 28.7087, 4.8528



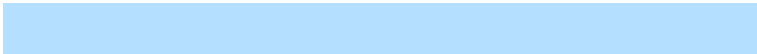
16.5795, 28.7087, 12.4782

Sweetspot

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



28.7507, 28.7095, 97.7928



63.5849, 69.9841, 104.7647



38.4320, 72.0932, 26.9660



12.8213, 14.1818, 22.3116



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.



28.7507, 28.7095, 97.7928



28.2796, 27.6793, 98.4599



18.4546, 8.1172, 94.3607



17.8645, 19.1007, 22.9952



14.9279, 14.7655, 51.4978



1.5620, 1.6547, 5.0503

Inverse Universe

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



46.3968, 23.4380, 30.5127



46.4035, 23.3254, 29.1204



70.2294, 79.7036, 11.9435



18.4443, 18.1610, 20.9567



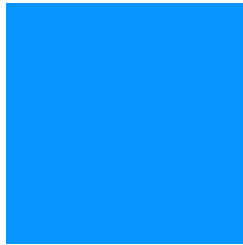
24.3231, 12.2185, 15.6180



2.4230, 1.2116, 1.8090

Previews

White Background



This preview shows how the XYZ color 28.7495, 28.7087, 97.7920 looks on a white background.

Color Contrast Check

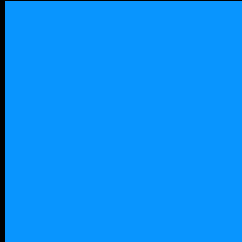
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7495, 28.7087, 97.7920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

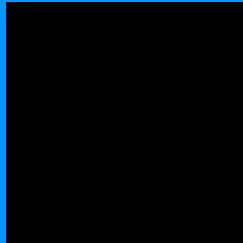
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

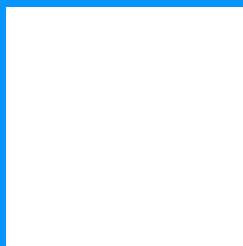
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7495, 28.7087, 97.7920

Background



This preview shows how black text looks on a background with the XYZ color 28.7495, 28.7087, 97.7920.



This preview shows how white text looks on a background with the XYZ color 28.7495, 28.7087,

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

28.7495, 28.7087, 97.7920

Protanopia

31.5689, 28.4745, 91.8280

Deuteranopia

29.8490, 28.7912, 98.5918



Tritanopia

20.1913, 28.4683, 43.4605

Trichromacy



Original Color

28.7495, 28.7087, 97.7920

Protanomaly

29.5433, 28.0419, 94.2980

Deuteranomaly

29.3675, 28.7749, 98.6140

Tritanomaly

22.7552, 28.3976, 60.1591

Monochromacy



Original Color

28.7495, 28.7087, 97.7920

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.2750, 20.4547, 40.0307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7495, 28.7087, 97.7920 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(9, 149, 254)` looks like.

```
.text, #text, p{  
    color:rgb(9, 149, 254)  
}
```

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(9, 149, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 149, 254) }
```

Border

The CSS property to change the border of an element to XYZ 28.7495, 28.7087, 97.7920 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(9, 149, 254) }
```


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

```
.border{ border-color:rgb(9, 149, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 149, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 149, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 149, 254);  
box-shadow:4px 4px 4px 4px rgb(9, 149,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7495, 28.7087, 97.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 149, 254) }
```

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

```
.background{ background-color: rgb(9, 149,  
254) }
```

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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