

Converting Colors

XYZ(28.5463, 28.2624, 96.8800)

Have a look what the booklet for
XYZ(28.5463, 28.2624, 96.8800)
contains.

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Color

**XYZ(28.4726, 28.1187,
96.8553)**

Conversions

Conversions Part 1

Format	Color
Hex	1593FD
RGB	21, 147, 253
RGB Percent	8%, 58%, 99%
CMY	0.9175, 0.4235, 0.0078
CMYK	0.92, 0.42, 0.00, 0.01
HSL	207°, 98%, 54%
HSV	207°, 92%, 99%
XYZ	28.4726, 28.1187, 96.8553
YIQ	121.4100, -109.1220, 6.2540

Conversions

Conversions Part 2

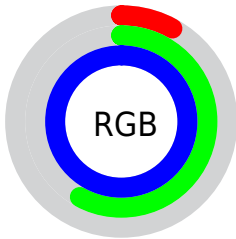
Format	Color
R _Y B	21, 103, 253
Decimal	1414141
CIE Lab	60.00, 6.99, -61.32
CIE LCh	60, 61.716, 276.499
Yxy	28.1187, 0.1856, 0.1832
Android (android.graphics.Color)	4279604221 (0xFF1593FD)
YUV	121.4100, 64.8739, -88.0596
Hunter-Lab	53.0271, 3.0472, -71.1758

Details

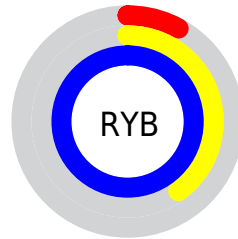
The XYZ color **28.4726, 28.1187, 96.8553** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **48.2392, 36.1273, 5.1424**, and the grayscale version is **18.1330, 19.0774, 20.7752**.

A 20% lighter version of the original color is **45.7745, 52.1734, 102.2656**, and **14.2385, 12.5349, 53.8936** is the 20% darker color. If you saturate the color by 10%, you get **26.7301, 25.0926, 96.3637**, and if you desaturate by 10%, it is **31.1951, 32.3269, 97.5247**.

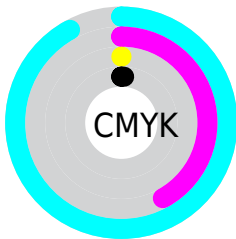
Distribution



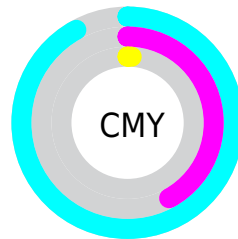
- Red (8%)
- Green (58%)
- Blue (99%)



- Red (8%)
- Yellow (40%)
- Blue (99%)



- Cyan (92%)
- Magenta (42%)
- Yellow (0%)
- Black (1%)



- Cyan (92%)
- Magenta (42%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4726, 28.1187, 96.8553 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 28.4726, 28.1187, 96.8553 by changing the saturation by 10% instead.

■ 28.4726, 28.1187,
96.8553

■ 28.4726, 28.1187,
96.8553

286.7576,
293.0337, 571.2230

■ 18.8245, 18.4152,
73.0747

■ 56.6415, 56.6739,
158.8429

■ 11.6468, 11.2485,
53.5449

■ 75.8929, 76.2943,
197.8869

■ 6.5741, 6.2342,
37.8472

■ 99.0762, 99.9892,
242.8558

■ 3.2412, 2.9880,
25.5632

■ 126.5567,
128.1429, 294.1682

■ 1.2825, 1.1255,
16.2743

■ 158.6998,
161.1398, 352.2426

■ 0.1701, 0.0000,
9.5620

195.8707,

■ 0.0000, 0.0000,

199.3643, 417.4975

5.0078

238.4349,
243.2008, 490.3514

■ 0.0000, 0.0000,
2.1930

■ 0.0000, 0.0000,
0.6703

■ 28.4726, 28.1187,
96.8553

■ 28.4726, 28.1187,
96.8553

■ 26.7301, 25.0926,
96.3637

■ 31.1951, 32.3269,
97.5247

■ 34.7738, 37.2521,
98.2868

■ 39.3173, 42.9576,
99.1486

■ 44.9152, 49.4969,
100.1157

■ 51.6460, 56.9169,
101.1932

■ 59.5801, 65.2605,
102.3855

■ 68.7816, 74.5672,
103.6969

■ 79.3099, 84.8735,
105.1313

■ 91.2206, 96.2142,
106.6925

Harmonies

Analogous

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



21.1435, 28.1187, 89.8953



28.4726, 28.1187, 96.8553



36.7558, 28.1187, 80.2233

Triad

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



28.4726, 28.1187, 96.8553



40.8011, 28.1187, 11.4196



15.1286, 28.1187, 16.4025

Complementary

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



28.4726, 28.1187, 96.8553



48.2392, 36.1273, 5.1424

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.



18.7100, 28.1187, 7.3452



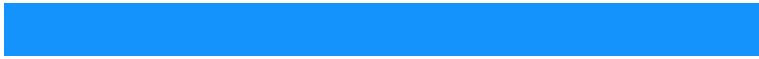
28.4726, 28.1187, 96.8553



33.2135, 28.1187, 5.6120

Square

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



28.4726, 28.1187, 96.8553



44.7198, 28.1187, 25.9759



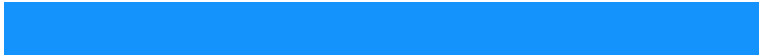
25.0523, 28.1187, 4.6102



14.3513, 28.1187, 35.7792

Rectangle

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



28.4726, 28.1187, 96.8553



41.4053, 28.1187, 61.2409



25.0523, 28.1187, 4.6102



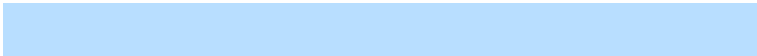
16.0048, 28.1187, 12.4078

Sweetspot

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



28.4738, 28.1195, 96.8561



63.9415, 69.8011, 104.7106



39.1646, 71.9025, 31.3590



12.8629, 14.0969, 22.2930



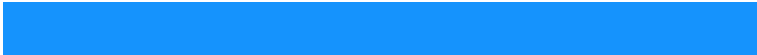
0.0000, 0.0000, 0.0000



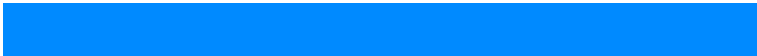
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.4738, 28.1195, 96.8561



27.2060, 25.5320, 98.1020



18.5739, 8.3198, 93.5561



17.8203, 19.0123, 22.9805



14.3670, 13.6435, 51.3108



1.5081, 1.5470, 5.0324

Inverse Universe

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



46.0438, 23.5274, 29.7186



45.8615, 23.1086, 26.2666



72.2188, 84.0865, 13.1356



18.4220, 18.1521, 20.8392



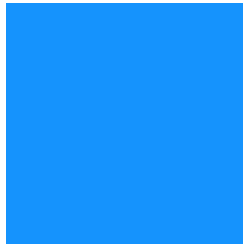
24.0400, 12.1053, 14.1269



2.3959, 1.2007, 1.6660

Previews

White Background



This preview shows how the XYZ color 28.4726, 28.1187, 96.8553 looks on a white background.

Color Contrast Check

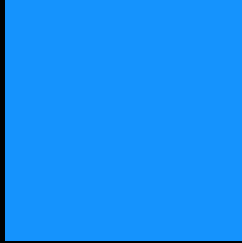
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4726, 28.1187, 96.8553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

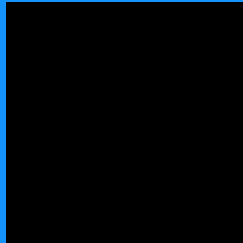
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

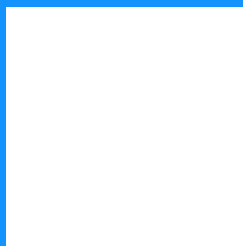
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4726, 28.1187, 96.8553

Background



This preview shows how black text looks on a background with the XYZ color 28.4726, 28.1187, 96.8553.



This preview shows how white text looks on a background with the XYZ color 28.4726, 28.1187,

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

28.4726, 28.1187, 96.8553

Protanopia

30.9424, 27.9514, 90.9531

Deuteranopia

29.1352, 28.2305, 96.8419



Tritanopia

19.9215, 28.0819, 42.8985

Trichromacy



Original Color

28.4726, 28.1187, 96.8553

Protanomaly

29.3756, 27.7497, 93.4305

Deuteranomaly

28.7715, 28.0429, 96.8249

Tritanomaly

22.3641, 27.7114, 59.4285

Monochromacy



Original Color

28.4726, 28.1187, 96.8553

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.8904, 20.7611, 40.5478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4726, 28.1187, 96.8553 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(21, 147, 253)` looks like.

```
.text, #text, p{  
    color:rgb(21, 147, 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(21, 147, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 147, 253) }
```

Border

The CSS property to change the border of an element to XYZ 28.4726, 28.1187, 96.8553 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(21, 147, 253) }
```


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

```
.border{ border-color:rgb(21, 147, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 147, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 147, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 147, 253);  
box-shadow:4px 4px 4px 4px rgb(21, 147,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4726, 28.1187, 96.8553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 147, 253) }
```

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

```
.background{ background-color: rgb(21, 147,  
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](#).

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