

Converting Colors

XYZ(27.7985, 19.1724, 96.0013)

Have a look what the booklet for
XYZ(27.7985, 19.1724, 96.0013)
contains.

XYZ(27.7986, 19.1724, 96.0014)	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(27.7986, 19.1724,
96.0014)**

Conversions

Conversions Part 1

Format	Color
Hex	6465FE
RGB	100, 101, 254
RGB Percent	39%, 40%, 100%
CMY	0.6078, 0.6039, 0.0039
CMYK	0.61, 0.60, 0.00, 0.00
HSL	240°, 99%, 69%
HSV	240°, 61%, 100%
XYZ	27.7986, 19.1724, 96.0014
YIQ	118.1430, -49.7090, 47.3710

Conversions

Conversions Part 2

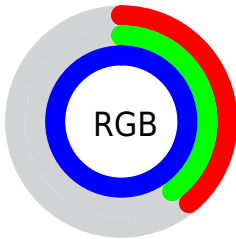
Format	Color
RYB	100, 101, 254
Decimal	6579710
CIELab	50.89, 43.58, -76.45
CIElCh	51, 88.004, 299.684
Yxy	19.1724, 0.1944, 0.1341
Android (android.graphics.Color)	4284769790 (0xFF6465FE)
YUV	118.1430, 66.9775, -15.9114
Hunter-Lab	43.7863, 36.6982, -99.3428

Details

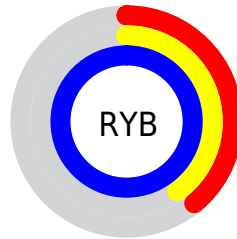
The XYZ color **27.7986, 19.1724, 96.0014** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **78.3021, 92.2476, 25.7373**, and the grayscale version is **17.0737, 17.9628, 19.5615**.

A 20% lighter version of the original color is **44.5881, 37.5690, 99.5092**, and **11.2830, 6.6239, 52.9084** is the 20% darker color. If you saturate the color by 10%, you get **23.3287, 13.7722, 95.1951**, and if you desaturate by 10%, it is **33.8978, 26.5288, 97.1003**.

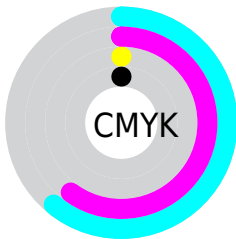
Distribution



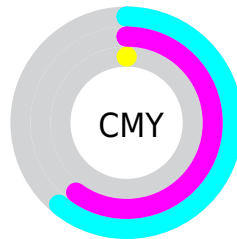
- Red (39%)
- Green (40%)
- Blue (100%)



- Red (39%)
- Yellow (40%)
- Blue (100%)



- Cyan (61%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7986, 19.1724, 96.0014 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 27.7986, 19.1724, 96.0014 by changing the saturation by 10% instead.

■ 27.7986, 19.1724,
96.0014

■ 27.7986, 19.1724,
96.0014

283.6009,
247.3989, 568.4319

■ 18.3136, 11.7949,
72.3672

■ 55.5736, 42.0252,
157.6548

■ 11.2764, 6.6042,
52.9701

■ 74.5943, 58.2693,
196.5111

■ 6.3217, 3.2158,
37.3913

■ 97.5243, 78.2378,
241.2786

■ 3.0842, 1.2454,
25.2124

■ 124.7290,
102.3150, 292.3758

■ 1.1984, 0.0983,
16.0149

156.5736,
130.8853, 350.2211

■ 0.1051, 0.0000,
9.3803

193.4235,

■ 0.0000, 0.0000,

164.3331, 415.2332

4.8898

235.6442,
203.0428, 487.8307

■ 0.0000, 0.0000,
2.1252

■ 0.0000, 0.0000,
0.6307

■ 27.7986, 19.1724,
96.0014

■ 27.7986, 19.1724,
96.0014

■ 23.3287, 13.7722,
95.1951

■ 33.8978, 26.5288,
97.1003

■ 20.3294, 10.1405,
94.6522

■ 41.7593, 36.0025,
98.5146

■ 18.6155, 8.0554,
94.3401

■ 51.5060, 47.7398,
100.2664

■ 17.9072, 7.1913,
94.2106

■ 63.2487, 61.8735,
102.3756

■ 77.0898, 78.5261,
104.8604

■ 93.1247, 97.8119,
107.7378

■ 94.8895, 99.9358,
108.0547

Harmonies

Analogous

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



18.1310, 19.1724, 114.4082



27.7986, 19.1724, 96.0014



36.7570, 19.1724, 55.4829

Triad

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



27.7986, 19.1724, 96.0014



28.0102, 19.1724, 0.8228



6.1112, 19.1724, 20.6133

Complementary

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



27.7986, 19.1724, 96.0014



78.3021, 92.2476, 25.7373

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.



7.2800, 19.1724, 4.8514



27.7986, 19.1724, 96.0014



18.3149, 19.1724, 0.0000

Square

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



27.7986, 19.1724, 96.0014



36.9040, 19.1724, 5.0259



11.1453, 19.1724, 0.7889



7.2303, 19.1724, 54.6125

Rectangle

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



27.7986, 19.1724, 96.0014



40.0637, 19.1724, 30.6560



11.1453, 19.1724, 0.7889



6.2422, 19.1724, 13.4338

Sweetspot

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



27.7996, 19.1729, 96.0019



67.2704, 66.5851, 103.9144



58.1795, 80.5862, 104.1142



13.5802, 13.2671, 22.0950



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.



27.7996, 19.1729, 96.0019



22.6868, 12.8661, 95.8954



40.0008, 25.3208, 96.5455



17.0124, 17.3965, 22.7112



9.4449, 3.7993, 49.6701



0.9228, 0.3762, 4.8373

Inverse Universe

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



47.7802, 31.1265, 15.8016



44.4659, 25.9406, 8.4658



56.4653, 81.4561, 24.8053



18.0142, 17.9890, 18.6918



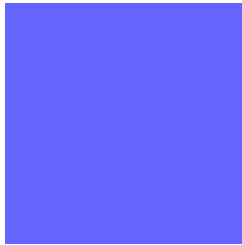
21.5555, 11.1115, 1.0440



2.1004, 1.0825, 0.1100

Previews

White Background



This preview shows how the XYZ color 27.7986, 19.1724, 96.0014 looks on a white background.

Color Contrast Check

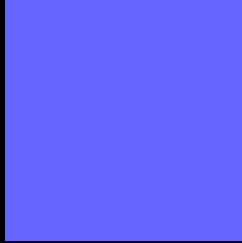
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7986, 19.1724, 96.0014 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 27.7986, 19.1724, 96.0014

Background



This preview shows how black text looks on a background with the XYZ color 27.7986, 19.1724, 96.0014.



This preview shows how white text looks on a background with the XYZ color 27.7986, 19.1724,

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

27.7986, 19.1724, 96.0014

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.0932, 18.9700, 65.6060



Tritanopia

14.3359, 19.0665, 28.9112

Trichromacy



Original Color

27.7986, 19.1724, 96.0014

Protanomaly

23.5109, 18.5835, 91.9703

Deuteranomaly

20.8619, 18.2380, 75.8195

Tritanomaly

17.6314, 18.2519, 47.3934

Monochromacy



Original Color

27.7986, 19.1724, 96.0014

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.3248, 17.7579, 38.9683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7986, 19.1724, 96.0014 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(100, 101, 254)` looks like.

```
.text, #text, p{  
    color:rgb(100, 101, 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(100, 101, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 101, 254) }
```

Border

The CSS property to change the border of an element to XYZ 27.7986, 19.1724, 96.0014 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(100, 101, 254) }
```


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

```
.border{ border-color:rgb(100, 101, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 101, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 101, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 101, 254);  
box-shadow:4px 4px 4px 4px rgb(100, 101,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7986, 19.1724, 96.0014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 101, 254) }
```

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

```
.background{ background-color: rgb(100,  
101, 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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