

Converting Colors

XYZ(27.4994, 24.9227, 99.1111)

Have a look what the booklet for
XYZ(27.4994, 24.9227, 99.1111)
contains.

XYZ(27.2790, 24.8393, 97.9644)	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(27.2790, 24.8393,
97.9644)**

Conversions

Conversions Part 1

Format	Color
Hex	1F87FF
RGB	31, 135, 255
RGB Percent	12%, 53%, 100%
CMY	0.8783, 0.4706, 0.0000
CMYK	0.88, 0.47, 0.00, 0.00
HSL	212°, 100%, 56%
HSV	212°, 88%, 100%
XYZ	27.2790, 24.8393, 97.9644
YIQ	117.5840, -100.5040, 15.2720

Conversions

Conversions Part 2

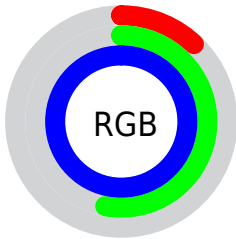
Format	Color
R _Y B	31, 102, 255
Decimal	2066431
CIE Lab	56.92, 15.51, -67.36
CIE LCh	57, 69.119, 282.966
Yxy	24.8393, 0.1818, 0.1655
Android (android.graphics.Color)	4280256511 (0xFF1F87FF)
YUV	117.5840, 67.7461, -75.9342
Hunter-Lab	49.8390, 10.4822, -81.6540

Details

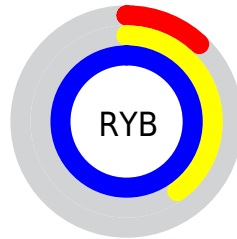
The XYZ color **27.2790, 24.8393, 97.9644** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **52.5588, 43.5013, 6.9247**, and the grayscale version is **16.9111, 17.7918, 19.3753**.

A 20% lighter version of the original color is **43.6410, 47.1084, 101.4004**, and **13.4058, 10.6868, 54.1795** is the 20% darker color. If you saturate the color by 10%, you get **24.9978, 21.0128, 97.3461**, and if you desaturate by 10%, it is **30.4048, 29.4646, 98.6925**.

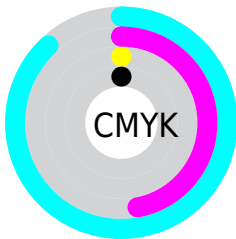
Distribution



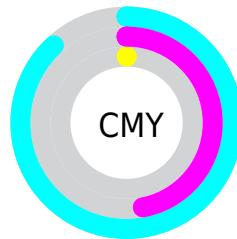
- Red (12%)
- Green (53%)
- Blue (100%)



- Red (12%)
- Yellow (40%)
- Blue (100%)



- Cyan (88%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.2790, 24.8393, 97.9644 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 27.2790, 24.8393, 97.9644 by changing the saturation by 10% instead.

 27.2790, 24.8393,
97.9644

 27.2790, 24.8393,
97.9644


281.1484,
277.0367, 574.8373


 17.9205, 15.9574,
73.9942


 54.7480, 51.3964,
160.3844


 10.9923, 9.4940,
54.2926


 73.5892, 69.8404,
199.6713


 6.1289, 5.0648,
38.4408


 96.3221, 92.2405,
244.9008

 2.9650, 2.2853,
26.0205

 123.3120,
118.9811, 296.4915

 1.1353, 0.7659,
16.6131

 154.9242,
150.4466, 354.8620

 0.0543, 0.0000,
9.8000

191.5241,

 0.0000, 0.0000,

187.0215, 420.4308

5.1627

233.4771,
229.0900, 493.6163

■ 0.0000, 0.0000,
2.2826

■ 0.0000, 0.0000,
0.7215

■ 27.2790, 24.8393,
97.9644

■ 27.2790, 24.8393,
97.9644

■ 24.9978, 21.0128,
97.3461

■ 30.4048, 29.4646,
98.6925

■ 24.5728, 20.2657,
97.2243

■ 34.5099, 34.9707,
99.5389

■ 39.7001, 41.4246,
100.5111

■ 46.0652, 48.8845,
101.6155

■ 53.6846, 57.4026,
102.8581

■ 62.6305, 67.0267,
104.2442

■ 72.9689, 77.8016,
105.7791

■ 84.7614, 89.7690,
107.4675

■ 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.



19.3339, 24.8393, 96.0441



27.2790, 24.8393, 97.9644



35.8954, 24.8393, 74.5805

Triad

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



27.2790, 24.8393, 97.9644



36.9391, 24.8393, 6.6123



11.6285, 24.8393, 15.9700

Complementary

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



27.2790, 24.8393, 97.9644



52.5588, 43.5013, 6.9247

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.



14.5049, 24.8393, 5.7749



27.2790, 24.8393, 97.9644



28.4720, 24.8393, 2.8865

Square

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



27.2790, 24.8393, 97.9644



42.2726, 24.8393, 18.2210



20.2839, 24.8393, 2.7060



11.4510, 24.8393, 38.3398

Rectangle

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



27.2790, 24.8393, 97.9644



40.3778, 24.8393, 52.8091



20.2839, 24.8393, 2.7060



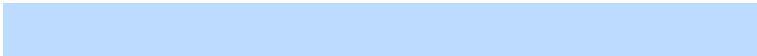
12.2754, 24.8393, 11.4152

Sweetspot

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



27.2800, 24.8399, 97.9645



64.4183, 68.9132, 104.5141



41.8697, 74.0293, 41.1396



13.0730, 13.9937, 22.2620



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.



27.2800, 24.8399, 97.9645



24.5728, 20.2657, 97.2243



19.3584, 8.6230, 95.2518



17.6980, 18.7677, 22.9397



12.9858, 10.8812, 50.8504



1.3724, 1.2755, 4.9871

Inverse Universe

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



46.1040, 23.9908, 25.1227



44.5324, 22.5770, 19.2677



74.5542, 91.4905, 15.0283



18.3602, 18.1274, 20.5141



23.3428, 11.8264, 10.4558



2.3273, 1.1733, 1.3051

Previews

White Background



This preview shows how the XYZ color 27.2790, 24.8393, 97.9644 looks on a white background.

Color Contrast Check

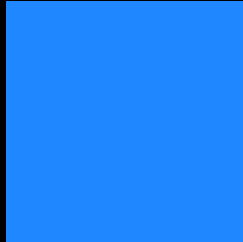
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2790, 24.8393, 97.9644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

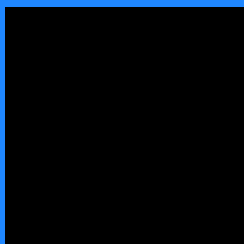
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

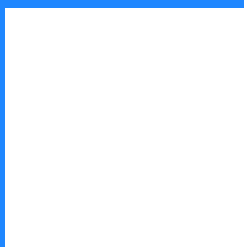
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2790, 24.8393, 97.9644

Background



This preview shows how black text looks on a background with the XYZ color 27.2790, 24.8393, 97.9644.



This preview shows how white text looks on a background with the XYZ color 27.2790, 24.8393,

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

27.2790, 24.8393, 97.9644

Protanopia

28.2765, 24.6141, 94.5274

Deuteranopia

25.2661, 24.6480, 88.2199



Tritanopia

17.4996, 24.7064, 37.5647

Trichromacy



Original Color

27.2790, 24.8393, 97.9644

Protanomaly

27.5669, 24.4303, 95.3581

Deuteranomaly

25.8722, 24.6779, 91.3954

Tritanomaly

20.1137, 24.2621, 55.2527

Monochromacy



Original Color

27.2790, 24.8393, 97.9644

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.1133, 19.2209, 39.8011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2790, 24.8393, 97.9644 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(31, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 135, 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(31, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 135, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.2790, 24.8393, 97.9644 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(31, 135, 255) }
```


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

```
.border{ border-color:rgb(31, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 135,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2790, 24.8393, 97.9644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 135, 255) }
```

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

```
.background{ background-color: rgb(31, 135,  
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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