

Converting Colors

XYZ(24.9750, 19.9095, 96.2925)

Have a look what the booklet for
XYZ(24.9750, 19.9095, 96.2925)
contains.

XYZ(24.9750, 19.9095, 96.2925)	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(24.9750, 19.9095,
96.2925)**

Conversions

Conversions Part 1

Format	Color
Hex	2A73FE
RGB	42, 115, 254
RGB Percent	16%, 45%, 100%
CMY	0.8352, 0.5490, 0.0039
CMYK	0.83, 0.55, 0.00, 0.00
HSL	219°, 99%, 58%
HSV	219°, 83%, 100%
XYZ	24.9750, 19.9095, 96.2925
YIQ	109.0190, -88.1270, 27.7530

Conversions

Conversions Part 2

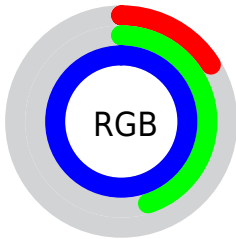
Format	Color
R_{YB}	42, 96, 254
Decimal	2782206
CIE _{Lab}	51.73, 28.29, -75.19
CIE _{LCh}	52, 80.336, 290.620
Yxy	19.9095, 0.1769, 0.1410
Android (android.graphics.Color)	4280972286 (0xFF2A73FE)
YUV	109.0190, 71.4756, -58.7757
Hunter-Lab	44.6201, 21.8259, -96.7170

Details

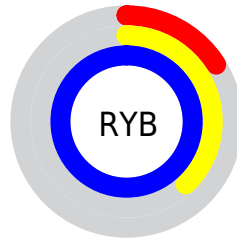
The XYZ color **24.9750, 19.9095, 96.2925** is a dark color, and the websafe version is hex **0066FF**. The color can be described as middle washed azure. A complement of this color would be **57.8204, 54.2958, 9.6254**, and the grayscale version is **14.3652, 15.1134, 16.4585**.

A 20% lighter version of the original color is **39.9984, 38.7775, 99.9844**, and **12.0309, 8.1198, 53.1577** is the 20% darker color. If you saturate the color by 10%, you get **22.5139, 16.0715, 95.6819**, and if you desaturate by 10%, it is **28.4380, 24.7734, 97.0493**.

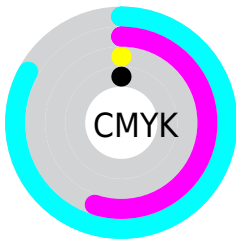
Distribution



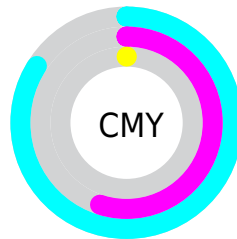
- Red (16%)
- Green (45%)
- Blue (100%)



- Red (16%)
- Yellow (38%)
- Blue (100%)



- Cyan (83%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9750, 19.9095, 96.2925 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 24.9750, 19.9095, 96.2925 by changing the saturation by 10% instead.

■ 24.9750, 19.9095,
96.2925

■ 24.9750, 19.9095,
96.2925

270.0634,
251.4248, 569.3842

■ 16.1871, 12.3293,
72.6084

■ 51.0598, 43.2654,
158.0599

■ 9.7483, 6.9683,
53.1659

■ 69.0875, 59.8099,
196.9803

■ 5.2934, 3.4423,
37.5466

■ 90.9257, 80.1112,
241.8166

■ 2.4569, 1.3668,
25.3319

■ 116.9399,
104.5538, 292.9872

■ 0.8736, 0.1920,
16.1032

147.4954,
133.5221, 350.9107

■ 0.0000, 0.0000,
9.4421

182.9576,

■ 0.0000, 0.0000,

167.4004, 416.0057

4.9299

223.6918,
206.5732, 488.6907

■ 0.0000, 0.0000,
2.1482

■ 0.0000, 0.0000,
0.6442

■ 24.9750, 19.9095,
96.2925

■ 24.9750, 19.9095,
96.2925

■ 22.5139, 16.0715,
95.6819

■ 28.4380, 24.7734,
97.0493

■ 21.3337, 14.0443,
95.3528

■ 33.0247, 30.7514,
97.9615

■ 38.8403, 37.9214,
99.0389

■ 45.9762, 46.3528,
100.2902

■ 54.5145, 56.1090,
101.7233

■ 64.5302, 67.2486,
103.3456

■ 76.0927, 79.8265,
105.1640

■ 89.2668, 93.8944,
107.1850

■ 94.8895, 99.9358,
108.0548

Harmonies

Analogous

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



16.4900, 19.9095, 102.5520



24.9750, 19.9095, 96.2925



33.7479, 19.9095, 64.2519

Triad

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



24.9750, 19.9095, 96.2925



30.6651, 19.9095, 2.2261



7.3168, 19.9095, 15.1739

Complementary

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



24.9750, 19.9095, 96.2925



57.8204, 54.2958, 9.6254

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.



9.2350, 19.9095, 3.8800



24.9750, 19.9095, 96.2925



21.5851, 19.9095, 0.6946

Square

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



24.9750, 19.9095, 96.2925



37.6319, 19.9095, 9.4314



13.9380, 19.9095, 0.9795



7.7452, 19.9095, 41.5585

Rectangle

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



24.9750, 19.9095, 96.2925



37.8152, 19.9095, 40.1694



13.9380, 19.9095, 0.9795



7.6816, 19.9095, 9.9639

Sweetspot

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



24.9760, 19.9100, 96.2931



63.4426, 66.0165, 104.0064



44.6165, 74.6642, 55.1380



12.7999, 13.2668, 22.1361



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.



24.9760, 19.9100, 96.2931



21.5223, 14.1647, 96.2074



21.5285, 10.2621, 94.6125



17.5143, 18.4001, 22.8784



11.3704, 7.6505, 50.3120



1.2042, 0.9391, 4.9311

Inverse Universe

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



44.7966, 23.9663, 18.4846



42.9927, 21.9611, 11.1595



66.0471, 86.6132, 15.4297



18.2675, 18.0903, 20.0257



22.5275, 11.5003, 6.1621



2.2424, 1.1393, 0.8581

Previews

White Background



This preview shows how the XYZ color 24.9750, 19.9095, 96.2925 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 24.9750, 19.9095, 96.2925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

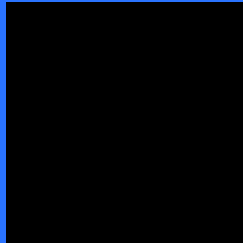
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

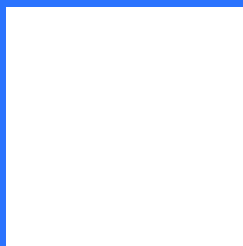
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9750, 19.9095, 96.2925

Background



This preview shows how black text looks on a background with the XYZ color 24.9750, 19.9095, 96.2925.



This preview shows how white text looks on a background with the XYZ color 24.9750, 19.9095,

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

24.9750, 19.9095, 96.2925

Protanopia

23.7338, 19.8590, 93.0247

Deuteranopia

19.7283, 19.6251, 67.7140



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

24.9750, 19.9095, 96.2925

Protanomaly

23.9709, 19.7892, 93.8231

Deuteranomaly

21.3173, 19.4895, 77.5012

Tritanomaly

16.6731, 19.0427, 48.6958

Monochromacy



Original Color

24.9750, 19.9095, 96.2925

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.9523, 15.9088, 36.4123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9750, 19.9095, 96.2925 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(42, 115, 254)` looks like.

```
.text, #text, p{  
    color:rgb(42, 115, 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(42, 115, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 115, 254) }
```

Border

The CSS property to change the border of an element to XYZ 24.9750, 19.9095, 96.2925 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(42, 115, 254) }
```


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

```
.border{ border-color:rgb(42, 115, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 115, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 115, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 115, 254);  
box-shadow:4px 4px 4px 4px rgb(42, 115,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9750, 19.9095, 96.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 115, 254) }
```

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

```
.background{ background-color: rgb(42, 115,  
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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