

Converting Colors

XYZ(13.2865, 9.7169, 55.2083)

Have a look what the booklet for
XYZ(13.2865, 9.7169, 55.2083)
contains.

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Color

**XYZ(13.2826, 9.7009,
55.2052)**

Conversions

Conversions Part 1

Format	Color
Hex	124EC7
RGB	18, 78, 199
RGB Percent	7%, 31%, 78%
CMY	0.9293, 0.6941, 0.2196
CMYK	0.91, 0.61, 0.00, 0.22
HSL	220°, 83%, 43%
HSV	220°, 91%, 78%
XYZ	13.2826, 9.7009, 55.2052
YIQ	73.8540, -74.6010, 24.9110

Conversions

Conversions Part 2

Format	Color
RYB	18, 63, 199
Decimal	1199815
CIELab	37.30, 29.73, -67.58
CIELCh	37, 73.831, 293.743
Yxy	9.7009, 0.1699, 0.1241
Android (android.graphics.Color)	4279389895 (0xFF124EC7)
YUV	73.8540, 61.6970, -48.9840
Hunter-Lab	31.1463, 21.6169, -83.2862

Details

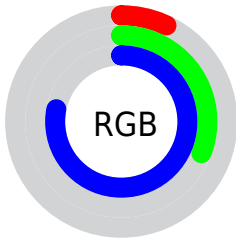
The XYZ color **13.2826, 9.7009, 55.2052** is a dark color, and the websafe version is hex **003399**.

The color can be described as dark washed blue.

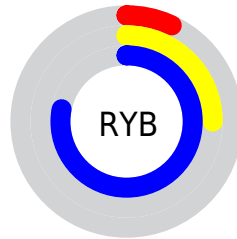
A complement of this color would be **32.8992, 30.6589, 4.7572**, and the grayscale version is **6.3884, 6.7211, 7.3193**.

A 20% lighter version of the original color is **31.1044, 25.0253, 97.7987**, and **5.6351, 3.2157, 26.7092** is the 20% darker color. If you saturate the color by 10%, you get **12.2540, 8.0138, 54.9341**, and if you desaturate by 10%, it is **14.8727, 12.0686, 55.5787**.

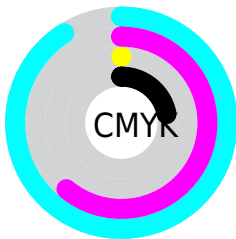
Distribution



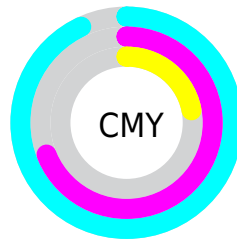
- Red (7%)
- Green (31%)
- Blue (78%)



- Red (7%)
- Yellow (25%)
- Blue (78%)



- Cyan (91%)
- Magenta (61%)
- Yellow (0%)
- Black (22%)



- Cyan (93%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2826, 9.7009, 55.2052 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 13.2826, 9.7009, 55.2052 by changing the saturation by 10% instead.

■ 13.2826, 9.7009,
55.2052

■ 13.2826, 9.7009,
55.2052

206.3222,
188.5238, 423.9932

■ 7.7018, 5.2011,
39.1663

■ 31.4076, 25.2314,
99.3157

■ 3.9549, 2.3657,
26.5803

■ 44.6824, 37.0309,
128.2244

■ 1.6767, 0.8082,
17.0286

■ 61.2527, 52.0324,
162.2602

■ 0.4416, 0.0000,
10.0927

■ 81.4837, 70.6203,
201.8415

■ 0.0000, 0.0000,
5.3541

■ 105.7407, 93.1790,
247.3869

■ 0.0000, 0.0000,
2.3941

134.3893,

■ 0.0000, 0.0000,

120.0928, 299.3149

0.7832

167.7946,
151.7463, 358.0442

■ 0.0000, 0.0000,
0.0000

■ 13.2826, 9.7009,
55.2052

■ 13.2826, 9.7009,
55.2052

■ 12.2540, 8.0138,
54.9341

■ 14.8727, 12.0686,
55.5787

■ 17.0556, 15.0418,
56.0375

■ 19.8968, 18.6687,
56.5878

■ 23.4516, 22.9914,
57.2348

■ 27.7690, 28.0483,
57.9834

■ 32.8935, 33.8742,
58.8378

■ 38.8660, 40.5020,
59.8023

■ 45.7244, 47.9622,
60.8808

■ 53.5043, 56.2837,
62.0769

Harmonies

Analogous

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



8.2851, 9.7009, 61.4601



13.2826, 9.7009, 55.2052



18.4065, 9.7009, 33.9061

Triad

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



13.2826, 9.7009, 55.2052



15.5402, 9.7009, 0.3339



2.9062, 9.7009, 8.0237

Complementary

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



13.2826, 9.7009, 55.2052



32.8992, 30.6589, 4.7572

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.



3.7494, 9.7009, 1.5272



13.2826, 9.7009, 55.2052



10.2236, 9.7009, 0.0000

Square

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



13.2826, 9.7009, 55.2052



19.9857, 9.7009, 3.2705



6.0844, 9.7009, 0.0000



3.2424, 9.7009, 24.4862

Rectangle

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



13.2826, 9.7009, 55.2052



20.6579, 9.7009, 19.4129



6.0844, 9.7009, 0.0000



3.0486, 9.7009, 4.9183

Sweetspot

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



13.2831, 9.7011, 55.2055



61.1284, 63.2623, 103.5968



25.3100, 42.8305, 31.2351



12.3444, 12.7140, 22.0534



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.



13.2831, 9.7011, 55.2055



21.2597, 13.6394, 96.1199



11.7534, 5.1900, 54.4154



10.3390, 10.8522, 13.4672



7.9518, 5.2976, 35.3478



0.4433, 0.3844, 1.6960

Inverse Universe

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



25.1452, 13.1257, 8.4159



42.8601, 21.9080, 10.4613



36.8604, 49.3079, 8.1480



10.7764, 10.6940, 11.8059



15.8131, 8.0748, 4.2254



0.7825, 0.3958, 0.3776

Previews

White Background



This preview shows how the XYZ color 13.2826, 9.7009, 55.2052 looks on a white 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 ✓ Pass

Black Background



This preview shows how the XYZ color 13.2826, 9.7009, 55.2052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

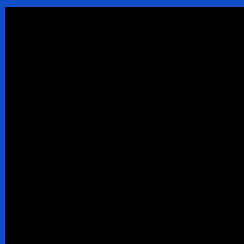
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2826, 9.7009, 55.2052

Background



This preview shows how black text looks on a background with the XYZ color 13.2826, 9.7009, 55.2052.



This preview shows how white text looks on a background with the XYZ color 13.2826, 9.7009,

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

13.2826, 9.7009, 55.2052

Protanopia

11.2062, 9.5550, 43.3731

Deuteranopia

9.4059, 9.6122, 31.4966



Tritanopia

6.7229, 9.5287, 14.3168

Trichromacy



Original Color

13.2826, 9.7009, 55.2052

Protanomaly

11.9678, 9.6249, 47.6814

Deuteranomaly

10.6711, 9.6030, 39.3214

Tritanomaly

8.3312, 9.1925, 25.3800

Monochromacy



Original Color

13.2826, 9.7009, 55.2052

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

7.3672, 7.1483, 18.4442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2826, 9.7009, 55.2052 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(18, 78, 199)` looks like.

```
.text, #text, p{  
    color:rgb(18, 78, 199)  
}
```

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(18, 78, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 78, 199) }
```

Border

The CSS property to change the border of an element to XYZ 13.2826, 9.7009, 55.2052 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(18, 78, 199) }
```


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

```
.border{ border-color:rgb(18, 78, 199) }
```

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

Here you see how a box with a 4 pixel rgb(18, 78, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 78, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 78, 199);  
box-shadow:4px 4px 4px 4px rgb(18, 78,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2826, 9.7009, 55.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 78, 199) }
```

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

```
.background{ background-color: rgb(18, 78,  
199) }
```

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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