

Converting Colors

XYZ(49.6527, 71.7704,
100.0840)

Have a look what the booklet for
XYZ(49.6527, 71.7704, 100.0840)
contains.

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Color

**XYZ(49.5825, 71.6274,
100.0191)**

Conversions

Conversions Part 1

Format	Color
Hex	14F4F8
RGB	20, 244, 248
RGB Percent	8%, 96%, 97%
CMY	0.9214, 0.0431, 0.0274
CMYK	0.92, 0.02, 0.00, 0.03
HSL	181°, 94%, 53%
HSV	181°, 92%, 97%
XYZ	49.5825, 71.6274, 100.0191
YIQ	177.4800, -134.7880, -46.2440

Conversions

Conversions Part 2

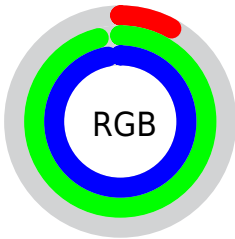
Format	Color
R _Y B	20, 133, 248
Decimal	1373432
CIE Lab	87.79, -44.87, -15.47
CIE LCh	88, 47.458, 199.027
Yxy	71.6274, 0.2241, 0.3238
Android (android.graphics.Color)	4279563512 (0xFF14F4F8)
YUV	177.4800, 34.7664, -138.1100
Hunter-Lab	84.6330, -43.5329, -10.8257

Details

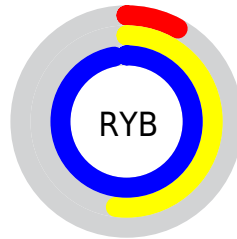
The XYZ color **49.5825, 71.6274, 100.0191** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **39.1662, 20.6626, 2.5880**, and the grayscale version is **41.9242, 44.1075, 48.0331**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **27.2848, 39.3464, 56.0257** is the 20% darker color. If you saturate the color by 10%, you get **49.1895, 71.2694, 99.9720**, and if you desaturate by 10%, it is **50.5018, 72.2974, 100.1013**.

Distribution



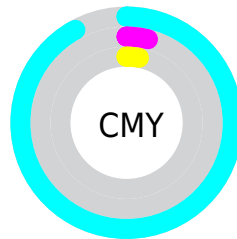
- Red (8%)
- Green (96%)
- Blue (97%)



- Red (8%)
- Yellow (52%)
- Blue (97%)



- Cyan (92%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (92%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5825, 71.6274, 100.0191 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 49.5825, 71.6274, 100.0191 by changing the saturation by 10% instead.

49.5825, 71.6274,
100.0191

49.5825, 71.6274,
100.0191

375.5100,
466.2437, 581.5011

35.2982, 52.8544,
75.6995

88.7515, 121.5266,
163.2355

24.0603, 37.6865,
55.6810

114.3669,
153.4216, 202.9695

15.5033, 25.7395,
39.5449

144.4901,
190.4594, 248.6786

9.2620, 16.6288,
26.8728

179.4865,
233.0243, 300.7815

4.9709, 9.9702,
17.2461

219.7213,
281.5008, 359.6966

2.2648, 5.3792,
10.2463

265.5599,

0.7766, 2.4714,

336.2733, 425.8426

5.4548

317.3677,
397.7261, 499.6379

■ 0.0000, 0.8623,
2.4532

■ 0.0000, 0.0000,
0.8152

■ 49.5825, 71.6274,
100.0191

■ 49.5825, 71.6274,
100.0191

■ 49.1895, 71.2694,
99.9720

■ 50.5018, 72.2974,
100.1013

■ 52.0581, 73.2947,
100.2118

■ 54.3515, 74.6724,
100.3568

■ 57.4631, 76.4724,
100.5403

■ 61.4636, 78.7311,
100.7654

■ 66.4158, 81.4809,
101.0351

■ 72.3771, 84.7514,
101.3522

■ 79.4001, 88.5696,
101.7190

■ 87.5339, 92.9610,
102.1380

Harmonies

Analogous

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



48.9477, 71.6274, 66.7651



49.5825, 71.6274, 100.0191



54.8383, 71.6274, 134.8471

Triad

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



49.5825, 71.6274, 100.0191



85.7835, 71.6274, 126.1627



72.2876, 71.6274, 31.5573

Complementary

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



49.5825, 71.6274, 100.0191



39.1662, 20.6626, 2.5880

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.



83.2976, 71.6274, 39.8953



49.5825, 71.6274, 100.0191



91.6421, 71.6274, 90.4075

Square

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



49.5825, 71.6274, 100.0191



75.3904, 71.6274, 152.5875



90.6852, 71.6274, 59.4592



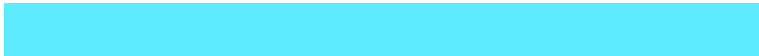
61.2576, 71.6274, 32.8075

Rectangle

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



49.5825, 71.6274, 100.0191



60.6154, 71.6274, 151.4628



90.6852, 71.6274, 59.4592



76.1329, 71.6274, 33.2138

Sweetspot

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



49.5847, 71.6300, 100.0208



73.0833, 88.0846, 107.7579



34.0206, 67.3503, 12.0627



15.0888, 18.5487, 23.0349



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.



49.5847, 71.6300, 100.0208



52.3997, 75.9195, 106.4999



25.2456, 22.9519, 91.9078



17.7382, 19.5532, 22.2245



26.5835, 38.5226, 54.0081



2.4702, 3.5841, 5.0048

Inverse Universe

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



55.2926, 26.9906, 87.8861



58.5782, 28.1953, 93.2315



47.9019, 38.1339, 5.4999



17.9791, 17.5190, 21.7459



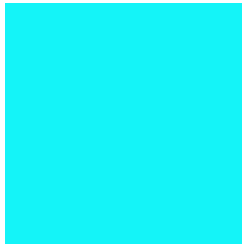
29.7101, 14.2998, 47.3095



2.7558, 1.3260, 4.4032

Previews

White Background



This preview shows how the XYZ color 49.5825, 71.6274, 100.0191 looks on a white background.

Color Contrast Check

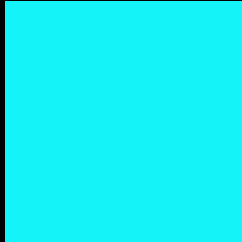
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.5825, 71.6274, 100.0191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

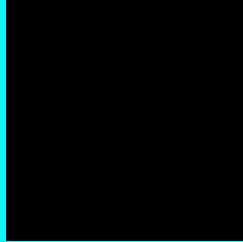
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5825, 71.6274, 100.0191

Background



This preview shows how black text looks on a background with the XYZ color 49.5825, 71.6274, 100.0191.

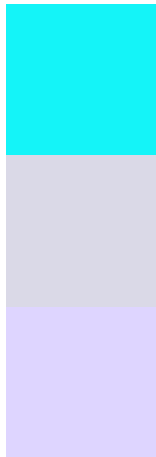


This preview shows how white text looks on a background with the XYZ color 49.5825, 71.6274,

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

49.5825, 71.6274, 100.0191

Protanopia

68.1501, 70.3007, 85.5788

Deuteranopia

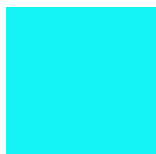
71.9685, 70.3381, 104.3912



Tritanopia

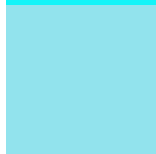
54.1040, 71.1939, 105.4979

Trichromacy



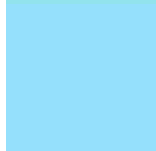
Original Color

49.5825, 71.6274, 100.0191



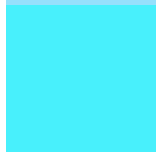
Protanomaly

54.6092, 67.1636, 90.2064



Deuteranomaly

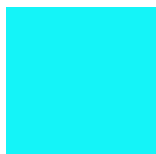
56.6208, 66.7291, 101.9912



Tritanomaly

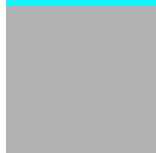
51.4033, 70.7262, 103.0377

Monochromacy



Original Color

49.5825, 71.6274, 100.0191



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.4119, 50.0782, 64.0887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5825, 71.6274, 100.0191 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(20, 244, 248)` looks like.

```
.text, #text, p{  
    color:rgb(20, 244, 248)  
}
```

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(20, 244, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 244, 248) }
```

Border

The CSS property to change the border of an element to XYZ 49.5825, 71.6274, 100.0191 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(20, 244, 248) }
```


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

```
.border{ border-color:rgb(20, 244, 248) }
```

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

Here you see how a box with a 4 pixel rgb(20, 244, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 244, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 244, 248);  
box-shadow:4px 4px 4px 4px rgb(20, 244,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5825, 71.6274, 100.0191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 244, 248) }
```

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

```
.background{ background-color: rgb(20, 244,  
248) }
```

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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