

Converting Colors

XYZ(49.1723, 70.6948, 91.3350)

Have a look what the booklet for
XYZ(49.1723, 70.6948, 91.3350)
contains.

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Color

**XYZ(49.1525, 70.7087,
91.1783)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 40F2ED |
| RGB | 64, 242, 237 |
| RGB Percent | 25%, 95%, 93% |
| CMY | 0.7490, 0.0510, 0.0706 |
| CMYK | 0.74, 0.00, 0.02, 0.05 |
| HSL | 178°, 87%, 60% |
| HSV | 178°, 74%, 95% |
| XYZ | 49.1525, 70.7087, 91.1783 |
| YIQ | 188.2080, -104.4830, -39.2910 |

Conversions

Conversions Part 2

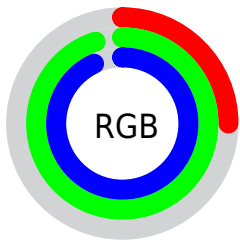
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 64, 154, 242 |
| Decimal | 4256493 |
| CIE Lab | 87.34, -44.11, -10.33 |
| CIE LCh | 87, 45.306, 193.186 |
| Yxy | 70.7087, 0.2329, 0.3350 |
| Android (android.graphics.Color) | 4282446573 (0xFF40F2ED) |
| YUV | 188.2080, 24.0545, -108.9304 |
| Hunter-Lab | 84.0885, -42.8156, -5.4271 |

Details

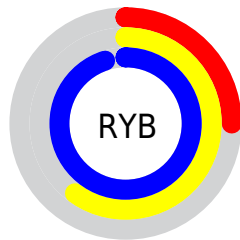
The XYZ color **49.1525, 70.7087, 91.1783** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **39.5278, 22.9758, 7.9838**, and the grayscale version is **47.8310, 50.3219, 54.8006**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **25.6895, 38.0341, 49.7034** is the 20% darker color. If you saturate the color by 10%, you get **47.8081, 70.0287, 90.5992**, and if you desaturate by 10%, it is **51.1837, 71.7459, 91.7947**.

Distribution



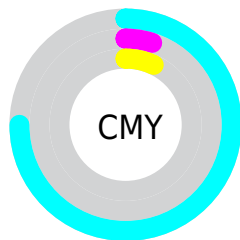
- Red (25%)
- Green (95%)
- Blue (93%)



- Red (25%)
- Yellow (60%)
- Blue (95%)



- Cyan (74%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)





- Cyan (75%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1525, 70.7087, 91.1783 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 49.1525, 70.7087, 91.1783 by changing the saturation by 10% instead.

 49.1525, 70.7087,
91.1783


 49.1525, 70.7087,
91.1783


373.8494,
463.0345, 552.5251


 34.9555, 52.1045,
68.3791


 88.1173, 120.2189,
150.9238

 23.7950, 37.0884,
49.7376

 113.6157,
151.8936, 188.7072

 15.3055, 25.2759,
34.8352


 143.6121,
188.6940, 232.3225

 9.1218, 16.2828,
23.2535

 178.4717,
231.0044, 282.1881

 4.8784, 9.7245,
14.5737

218.5598,
279.2093, 338.7226

 2.2101, 5.2166,
8.3775

264.2419,

 0.7481, 2.3749,

333.6930, 402.3446

4.2462

315.8833,
394.8399, 473.4726

■ 0.0000, 0.8129,
1.7614

■ 0.0000, 0.0000,
0.4023

■ 49.1525, 70.7087,
91.1783

■ 49.1525, 70.7087,
91.1783

■ 47.8081, 70.0287,
90.5992

■ 51.1837, 71.7459,
91.7947


■ 47.0486, 69.6486,
90.0479

■ 53.9737, 73.1726,
92.4470


■ 46.7780, 69.5164,
89.7035


■ 57.5925, 75.0266,
93.1400


■ 62.1003, 77.3388,
93.8766

 67.5519, 80.1376,
94.6594

 73.9976, 83.4487,
95.4906

 81.4840, 87.2963,
96.3726

 89.0868, 91.2039,
97.2620

 89.1894, 91.2450,
97.8023

Harmonies

Analogous

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



49.4258, 70.7087, 61.2200



49.1525, 70.7087, 91.1783



53.3358, 70.7087, 124.5816

Triad

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



49.1525, 70.7087, 91.1783



82.2400, 70.7087, 128.2414



73.3147, 70.7087, 33.3448

Complementary

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



49.1525, 70.7087, 91.1783



39.5278, 22.9758, 7.9838

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.



83.2949, 70.7087, 43.3860



49.1525, 70.7087, 91.1783



88.8095, 70.7087, 95.2587

Square

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



49.1525, 70.7087, 91.1783



71.9935, 70.7087, 149.4951



89.2149, 70.7087, 64.3552



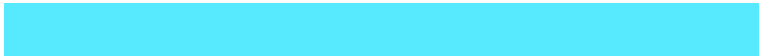
62.6365, 70.7087, 32.7969

Rectangle

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



49.1525, 70.7087, 91.1783



58.3739, 70.7087, 142.1981



89.2149, 70.7087, 64.3552



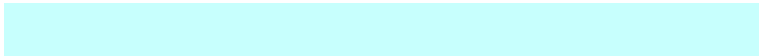
76.8879, 70.7087, 35.5702

Sweetspot

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



49.1546, 70.7114, 91.1800



77.0838, 90.7673, 106.7397



35.2007, 65.1768, 15.5772



16.1089, 19.2275, 22.7938



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.



49.1546, 70.7114, 91.1800



53.3642, 78.6256, 101.7360



30.5305, 32.2772, 88.6283



16.2271, 17.9208, 20.2186



25.1377, 37.3471, 48.2355



2.0972, 3.1093, 4.0445

Inverse Universe

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



39.5278, 22.9758, 7.9838



42.0521, 22.3522, 3.8406



47.9902, 40.1387, 10.0703



15.7908, 15.7660, 16.4546



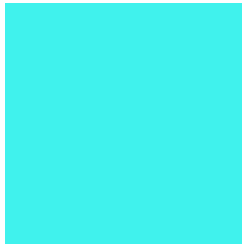
19.6997, 10.1523, 1.0695



1.6451, 0.8471, 0.1221

Previews

White Background



This preview shows how the XYZ color 49.1525, 70.7087, 91.1783 looks on a white background.

Color Contrast Check

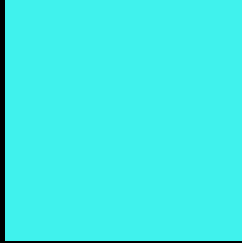
Large Text (above 18pt) WCAG AA × Fail

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 49.1525, 70.7087, 91.1783 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

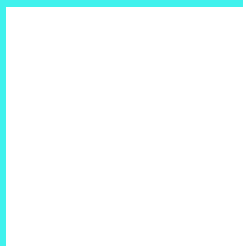
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1525, 70.7087, 91.1783

Background



This preview shows how black text looks on a background with the XYZ color 49.1525, 70.7087, 91.1783.

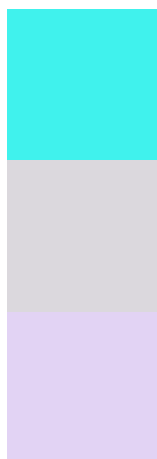


This preview shows how white text looks on a background with the XYZ color 49.1525, 70.7087,

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

49.1525, 70.7087, 91.1783

Protanopia

66.8204, 69.3923, 78.2788

Deuteranopia

70.9874, 69.2889, 95.2206



Tritanopia

53.5897, 70.4977, 105.3907

Trichromacy



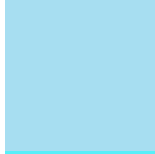
Original Color

49.1525, 70.7087, 91.1783



Protanomaly

55.8946, 67.1830, 82.6947



Deuteranomaly

57.9348, 66.8089, 93.0610



Tritanomaly

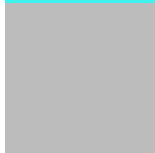
51.7403, 70.5366, 99.6949

Monochromacy



Original Color

49.1525, 70.7087, 91.1783



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.0241, 55.4076, 66.7142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1525, 70.7087, 91.1783 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(64, 242, 237)` looks like.

```
.text, #text, p{  
    color:rgb(64, 242, 237)  
}
```

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(64, 242, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 242, 237) }
```

Border

The CSS property to change the border of an element to XYZ 49.1525, 70.7087, 91.1783 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(64, 242, 237) }
```


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

```
.border{ border-color:rgb(64, 242, 237) }
```

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

Here you see how a box with a 4 pixel rgb(64, 242, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 242, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 242, 237);  
box-shadow:4px 4px 4px 4px rgb(64, 242,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1525, 70.7087, 91.1783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 242, 237) }
```

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

```
.background{ background-color: rgb(64, 242,  
237) }
```

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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