

Converting Colors

XYZ(48.7578, 70.1683, 94.4887)

Have a look what the booklet for
XYZ(48.7578, 70.1683, 94.4887)
contains.

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Color

**XYZ(48.5991, 69.9144,
94.1525)**

Conversions

Conversions Part 1

Format	Color
Hex	31F1F1
RGB	49, 241, 241
RGB Percent	19%, 95%, 95%
CMY	0.8078, 0.0549, 0.0549
CMYK	0.80, 0.00, 0.00, 0.05
HSL	180°, 87%, 57%
HSV	180°, 80%, 95%
XYZ	48.5991, 69.9144, 94.1525
YIQ	183.5920, -114.4320, -40.7040

Conversions

Conversions Part 2

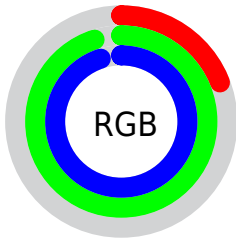
Format	Color
R _Y B	49, 145, 241
Decimal	3273201
CIE Lab	86.95, -43.95, -13.03
CIE LCh	87, 45.841, 196.517
Yxy	69.9144, 0.2285, 0.3288
Android (android.graphics.Color)	4281463281 (0xFF31F1F1)
YUV	183.5920, 28.3021, -118.0372
Hunter-Lab	83.6148, -42.5771, -8.2317

Details

The XYZ color **48.5991, 69.9144, 94.1525** 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 **37.9306, 21.1214, 4.9855**, and the grayscale version is **45.2329, 47.5885, 51.8239**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **25.8974, 37.7838, 51.8270** is the 20% darker color. If you saturate the color by 10%, you get **47.7326, 69.4692, 94.1134**, and if you desaturate by 10%, it is **50.0904, 70.6847, 94.2240**.

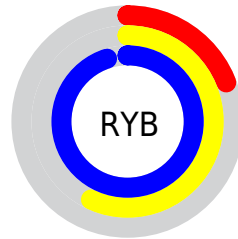
Distribution



Red (19%)

Green (95%)

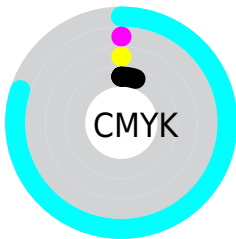
Blue (95%)



Red (19%)

Yellow (57%)

Blue (95%)

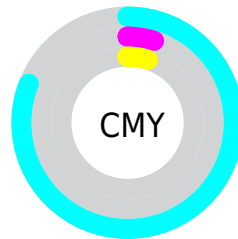


Cyan (80%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (81%)


Magenta (5%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5991, 69.9144, 94.1525 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 48.5991, 69.9144, 94.1525 by changing the saturation by 10% instead.


 48.5991, 69.9144,
94.1525


 48.5991, 69.9144,
94.1525


371.7051,
460.2494, 562.3631


 34.5148, 51.4568,
70.8368


 87.3000, 119.0867,
155.0787


 23.4541, 36.5722,
51.7280

 112.6474,
150.5701, 193.5263

 15.0517, 24.8765,
36.4076


 142.4798,
187.1642, 237.8550

 8.9422, 15.9850,
24.4570

 177.1626,
229.2535, 288.4833

 4.7603, 9.5136,
15.4576

217.0612,
277.2222, 345.8297

 2.1406, 5.0777,
8.9910

262.5409,

 0.7112, 2.2929,

331.4548, 410.3128

4.6386

313.9671,
392.3358, 482.3511

■ 0.0000, 0.7699,
1.9818

■ 0.0000, 0.0000,
0.5441

■ 48.5991, 69.9144,
94.1525

■ 48.5991, 69.9144,
94.1525

■ 47.7326, 69.4692,
94.1134

■ 50.0904, 70.6847,
94.2240


■ 47.3439, 69.2689,
94.0950


■ 52.2869, 71.8170,
94.3270


■ 47.3337, 69.2636,
94.0945


■ 55.2637, 73.3516,
94.4665


■ 59.0849, 75.3215,
94.6455

 63.8077, 77.7562,
94.8667

 69.4846, 80.6827,
95.1325

 76.1637, 84.1260,
95.4453

 83.8903, 88.1092,
95.8071

 88.5741, 90.5237,
96.0264

Harmonies

Analogous

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



48.3705, 69.9144, 63.1851



48.5991, 69.9144, 94.1525



53.2641, 69.9144, 127.4355

Triad

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



48.5991, 69.9144, 94.1525



82.5410, 69.9144, 124.3487



71.3696, 69.9144, 31.9707

Complementary

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



48.5991, 69.9144, 94.1525



37.9306, 21.1214, 4.9855

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.



81.6536, 69.9144, 40.8505



48.5991, 69.9144, 94.1525



88.5557, 69.9144, 90.7208

Square

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



48.5991, 69.9144, 94.1525



72.4795, 69.9144, 147.8226



88.2145, 69.9144, 60.5592



60.7674, 69.9144, 32.4260

Rectangle

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



48.5991, 69.9144, 94.1525



58.5787, 69.9144, 144.0401



88.2145, 69.9144, 60.5592



74.9999, 69.9144, 33.8335

Sweetspot

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



48.6012, 69.9170, 94.1542



76.0067, 90.1829, 108.0083



33.4384, 63.8704, 13.4735



15.7852, 19.0537, 23.0956



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.



48.6012, 69.9170, 94.1542



53.9373, 78.8057, 106.9741



27.7681, 28.2503, 87.2111



16.2474, 17.9290, 20.3259



25.6672, 37.5589, 51.0237



2.1353, 3.1245, 4.2447

Inverse Universe

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



37.9306, 21.1214, 4.9855



41.4066, 21.5038, 2.2612



46.4764, 38.2130, 7.8339



15.7729, 15.7589, 16.3602



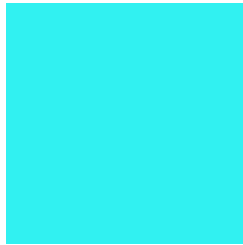
19.6715, 10.1410, 0.9207



1.6365, 0.8436, 0.0766

Previews

White Background



This preview shows how the XYZ color 48.5991, 69.9144, 94.1525 looks on a white background.

Color Contrast Check

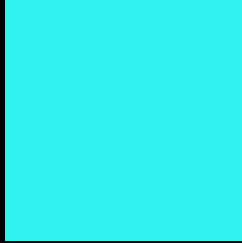
Large Text (above 18pt) WCAG AA × Fail

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 48.5991, 69.9144, 94.1525 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

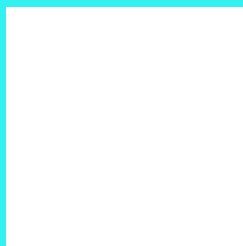
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5991, 69.9144, 94.1525

Background



This preview shows how black text looks on a background with the XYZ color 48.5991, 69.9144, 94.1525.

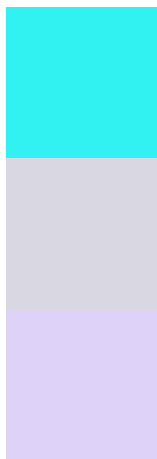


This preview shows how white text looks on a background with the XYZ color 48.5991, 69.9144,

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

48.5991, 69.9144, 94.1525

Protanopia

66.5063, 68.7888, 81.0065

Deuteranopia

70.1141, 68.4001, 98.3141



Tritanopia

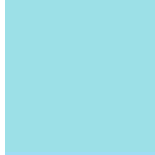
52.2647, 69.8146, 105.3287

Trichromacy



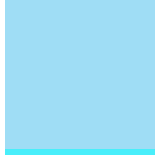
Original Color

48.5991, 69.9144, 94.1525



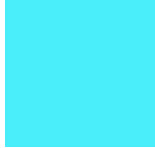
Protanomaly

54.7898, 66.1488, 85.4816



Deuteranomaly

56.6360, 65.6764, 96.0780



Tritanomaly

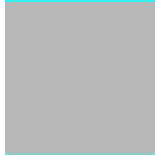
50.5775, 69.4677, 101.1854

Monochromacy



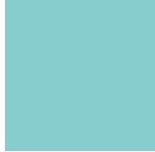
Original Color

48.5991, 69.9144, 94.1525



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.8424, 53.2213, 65.7723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5991, 69.9144, 94.1525 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(49, 241, 241)` looks like.

```
.text, #text, p{  
    color:rgb(49, 241, 241)  
}
```

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(49, 241, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 241, 241) }
```

Border

The CSS property to change the border of an element to XYZ 48.5991, 69.9144, 94.1525 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(49, 241, 241) }
```


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

```
.border{ border-color:rgb(49, 241, 241) }
```

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

Here you see how a box with a 4 pixel rgb(49, 241, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 241, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 241, 241);  
box-shadow:4px 4px 4px 4px rgb(49, 241,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5991, 69.9144, 94.1525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 241, 241) }
```

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

```
.background{ background-color: rgb(49, 241,  
241) }
```

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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