

Converting Colors

XYZ(36.5930, 66.2814, 89.7755)

Have a look what the booklet for
XYZ(36.5930, 66.2814, 89.7755)
contains.

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Color

**XYZ(48.2562, 72.5197,
90.0516)**

Conversions

Conversions Part 1

Format	Color
Hex	00F7EB
RGB	0, 247, 235
RGB Percent	0%, 97%, 92%
CMY	0.9997, 0.0314, 0.0784
CMYK	1.00, 0.00, 0.05, 0.03
HSL	177°, 100%, 48%
HSV	177°, 100%, 97%
XYZ	48.2562, 72.5197, 90.0516
YIQ	171.7790, -143.3600, -56.0960

Conversions

Conversions Part 2

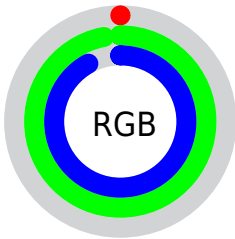
Format	Color
RYB	0, 127, 247
Decimal	63467
CIELab	88.22, -50.34, -8.05
CIELCh	88, 50.976, 189.082
Yxy	72.5197, 0.2289, 0.3440
Android (android.graphics.Color)	4278253547 (0xFF00F7EB)
YUV	171.7790, 31.1680, -150.6502
Hunter-Lab	85.1585, -47.8780, -3.0858

Details

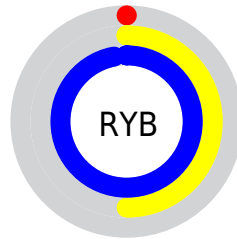
The XYZ color **48.2562, 72.5197, 90.0516** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **38.4265, 19.8030, 2.1471**, and the grayscale version is **39.0113, 41.0430, 44.6958**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **26.5501, 40.0816, 48.9850** is the 20% darker color. If you saturate the color by 10%, you get **48.2570, 72.5218, 90.0508**, and if you desaturate by 10%, it is **48.8268, 72.7954, 90.9885**.

Distribution



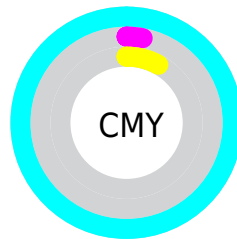
- Red (0%)
- Green (97%)
- Blue (92%)



- Red (0%)
- Yellow (50%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)



- Cyan (100%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2562, 72.5197, 90.0516 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 48.2562, 72.5197, 90.0516 by changing the saturation by 10% instead.

48.2562, 72.5197,
90.0516

48.2562, 72.5197,
90.0516

370.3725,
469.3485, 548.7731

34.2419, 53.5833,
67.4495

86.7931, 122.7951,
149.3462

23.2433, 38.2686,
48.9861

112.0465,
154.9030, 186.8758

14.8949, 26.1913,
34.2429

141.7769,
192.1701, 230.2183

8.8315, 16.9668,
22.8014

176.3497,
234.9808, 279.7922

4.6877, 10.2108,
14.2430

216.1304,
283.7197, 336.0161

2.0981, 5.5390,
8.1492

261.4841,

0.6882, 2.5668,

338.7709, 399.3085

4.1014

312.7764,
400.5191, 470.0880

■ 0.0000, 0.9100,
1.6812

■ 0.0000, 0.0000,
0.3478

■ 48.2562, 72.5197,
90.0516

■ 48.2562, 72.5197,
90.0516

■ 48.2570, 72.5218,
90.0508

■ 48.8268, 72.7954,
90.9885

■ 49.8962, 73.3264,
91.9532

■ 51.6203, 74.1948,
92.9548

■ 54.0921, 75.4486,
93.9974

■ 57.3897, 77.1279,
95.0849

■ 61.5811, 79.2679,
96.2203

■ 66.7276, 81.9001,
97.4067

■ 72.8849, 85.0532,
98.6465

■ 80.1044, 88.7538,
99.9423

Harmonies

Analogous

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



49.2504, 72.5197, 57.3164



48.2562, 72.5197, 90.0516



52.2704, 72.5197, 129.3574

Triad

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



48.2562, 72.5197, 90.0516



84.8046, 72.5197, 143.4582



77.6496, 72.5197, 31.3535

Complementary

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



48.2562, 72.5197, 90.0516



38.4265, 19.8030, 2.1471

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.



88.7941, 72.5197, 43.7204



48.2562, 72.5197, 90.0516



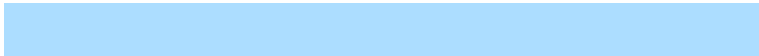
93.2519, 72.5197, 105.4673

Square

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



48.2562, 72.5197, 90.0516



72.6985, 72.5197, 165.6476



94.7922, 72.5197, 68.8217



65.2898, 72.5197, 29.4555

Rectangle

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



48.2562, 72.5197, 90.0516



57.5604, 72.5197, 151.7852



94.7922, 72.5197, 68.8217



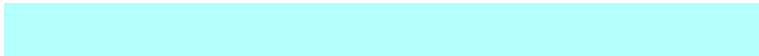
81.7011, 72.5197, 34.2016

Sweetspot

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



48.2584, 72.5224, 90.0533



71.6921, 88.0271, 104.7123



33.4197, 66.6051, 11.0966



14.8180, 18.5717, 22.2960



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.



48.2584, 72.5224, 90.0533



51.8782, 77.9673, 96.7975



25.5775, 24.2912, 91.3392



16.9599, 18.7431, 21.0730



25.5366, 38.3595, 47.7068



2.2549, 3.3756, 4.2484

Inverse Universe

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



38.4265, 19.8030, 2.1471



41.3088, 21.2875, 2.2923



44.0644, 31.1850, 3.6988



16.5318, 16.4956, 17.2809



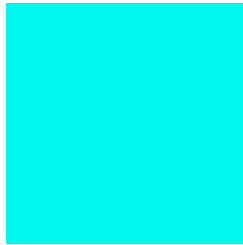
20.3357, 10.4777, 1.2104



1.7986, 0.9254, 0.1657

Previews

White Background



This preview shows how the XYZ color 48.2562, 72.5197, 90.0516 looks on a white background.

Color Contrast Check

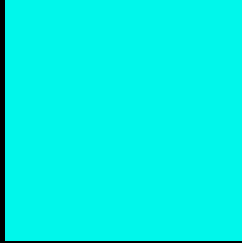
Large Text (above 18pt) WCAG AA × Fail

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 48.2562, 72.5197, 90.0516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

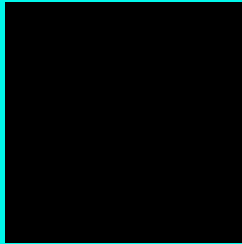
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2562, 72.5197, 90.0516

Background



This preview shows how black text looks on a background with the XYZ color 48.2562, 72.5197, 90.0516.

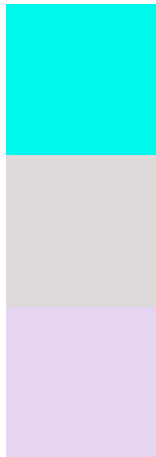


This preview shows how white text looks on a background with the XYZ color 48.2562, 72.5197,

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

48.2562, 72.5197, 90.0516

Protanopia

68.1577, 70.8927, 76.4210

Deuteranopia

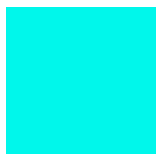
72.4544, 70.8223, 93.8557



Tritanopia

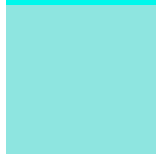
55.5986, 72.3977, 105.6516

Trichromacy



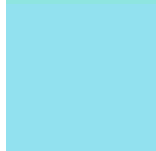
Original Color

48.2562, 72.5197, 90.0516



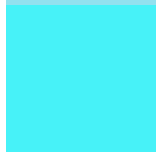
Protanomaly

52.6292, 67.1712, 80.7125



Deuteranomaly

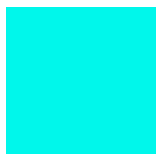
54.3593, 66.1934, 91.5729



Tritanomaly

51.2939, 71.6212, 99.9277

Monochromacy



Original Color

48.2562, 72.5197, 90.0516



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.5804, 48.0382, 58.9741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2562, 72.5197, 90.0516 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(0, 247, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 235)  
}
```

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(0, 247, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 235) }
```

Border

The CSS property to change the border of an element to XYZ 48.2562, 72.5197, 90.0516 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(0, 247, 235) }
```


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

```
.border{ border-color:rgb(0, 247, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2562, 72.5197, 90.0516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 235) }
```

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

```
.background{ background-color: rgb(0, 247,  
235) }
```

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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