

Converting Colors

XYZ(41.2839, 64.1216, 90.0899)

Have a look what the booklet for
XYZ(41.2839, 64.1216, 90.0899)
contains.

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Color

**XYZ(45.2815, 66.1053,
90.4938)**

Conversions

Conversions Part 1

Format	Color
Hex	00ECED
RGB	0, 236, 237
RGB Percent	0%, 93%, 93%
CMY	0.9997, 0.0745, 0.0706
CMYK	1.00, 0.00, 0.00, 0.07
HSL	180°, 100%, 46%
HSV	180°, 100%, 93%
XYZ	45.2815, 66.1053, 90.4938
YIQ	165.5500, -140.9770, -49.7210

Conversions

Conversions Part 2

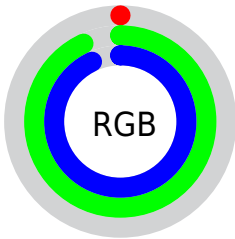
Format	Color
RYB	0, 118, 237
Decimal	60653
CIELab	85.05, -45.05, -13.82
CIELCh	85, 47.123, 197.048
Yxy	66.1053, 0.2243, 0.3274
Android (android.graphics.Color)	4278250733 (0xFF00ECED)
YUV	165.5500, 35.2249, -145.1873
Hunter-Lab	81.3052, -42.8716, -9.0770

Details

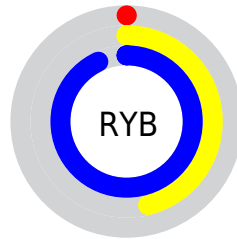
The XYZ color **45.2815, 66.1053, 90.4938** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **34.9375, 18.0280, 1.6402**, and the grayscale version is **35.9228, 37.7936, 41.1572**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.4606, 35.5764, 49.2938** is the 20% darker color. If you saturate the color by 10%, you get **45.2826, 66.1072, 90.4953**, and if you desaturate by 10%, it is **45.6826, 66.3562, 90.5223**.

Distribution



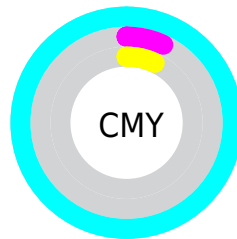
- Red (0%)
- Green (93%)
- Blue (93%)



- Red (0%)
- Yellow (46%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2815, 66.1053, 90.4938 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 45.2815, 66.1053, 90.4938 by changing the saturation by 10% instead.


 45.2815, 66.1053,
90.4938


 45.2815, 66.1053,
90.4938


358.6770,
446.7534, 550.2474


 31.8814, 48.3579,
67.8143


 82.3771, 113.6375,
149.9656


 21.4261, 34.1104,
49.2809


 106.8034,
144.1910, 187.5950


 13.5500, 22.9784,
34.4752


 135.6358,
179.7820, 231.0447

 7.8880, 14.5776,
22.9786

 169.2397,
220.7949, 280.7333

 4.0745, 8.5235,
14.3725

 207.9804,
267.6141, 337.0793

 1.7444, 4.4317,
8.2385

252.2233,

 0.4838, 1.9179,

320.6240, 400.5013

4.1580

302.3337,
380.2090, 471.4178

■ 0.0000, 0.5591,
1.7124

■ 0.0000, 0.0000,
0.3692

■ 45.2815, 66.1053,
90.4938

■ 45.2815, 66.1053,
90.4938

■ 45.2826, 66.1072,
90.4953

■ 45.6826, 66.3562,
90.5223

■ 46.5341, 66.8378,
90.5704

■ 47.9797, 67.6258,
90.6463

■ 50.1031, 68.7633,
90.7539

■ 52.9749, 70.2865,
90.8966

■ 56.6564, 72.2272,
91.0772

■ 61.2030, 74.6139,
91.2982

■ 66.6650, 77.4725,
91.5621

■ 73.0889, 80.8271,
91.8710

Harmonies

Analogous

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



44.9789, 66.1053, 59.6651



45.2815, 66.1053, 90.4938



49.9350, 66.1053, 123.7456

Triad

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



45.2815, 66.1053, 90.4938



78.9704, 66.1053, 119.5569



67.5134, 66.1053, 28.7445

Complementary

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



45.2815, 66.1053, 90.4938



34.9375, 18.0280, 1.6402

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.



77.7759, 66.1053, 37.1343



45.2815, 66.1053, 90.4938



84.8742, 66.1053, 85.8768

Square

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



45.2815, 66.1053, 90.4938



69.0015, 66.1053, 143.4978



84.4140, 66.1053, 56.1766



57.0400, 66.1053, 29.3345

Rectangle

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



45.2815, 66.1053, 90.4938



55.2096, 66.1053, 140.2638



84.4140, 66.1053, 56.1766



71.1236, 66.1053, 30.4799

Sweetspot

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



45.2835, 66.1077, 90.4954



72.1823, 88.0587, 107.8004



30.2858, 60.5699, 10.0968



14.9375, 18.5794, 23.0488



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.



45.2835, 66.1077, 90.4954



53.4682, 78.0564, 106.8561



21.8285, 19.1977, 82.6771



15.5120, 17.1104, 19.4073



24.7249, 36.0968, 49.4072



1.9433, 2.8380, 3.8802

Inverse Universe

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



50.0671, 24.0625, 81.3651



59.1175, 28.4110, 96.0715



41.4673, 31.0877, 3.8168



15.7120, 15.3126, 19.0345



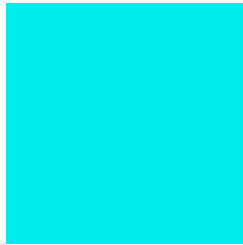
27.3353, 13.1368, 44.4285



2.1474, 1.0319, 3.4934

Previews

White Background



This preview shows how the XYZ color 45.2815, 66.1053, 90.4938 looks on a white background.

Color Contrast Check

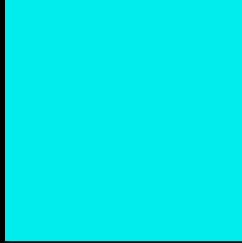
Large Text (above 18pt) WCAG AA × Fail

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 45.2815, 66.1053, 90.4938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

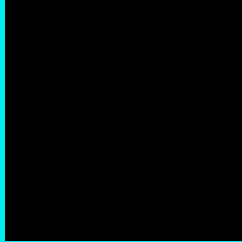
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2815, 66.1053, 90.4938

Background



This preview shows how black text looks on a background with the XYZ color 45.2815, 66.1053, 90.4938.

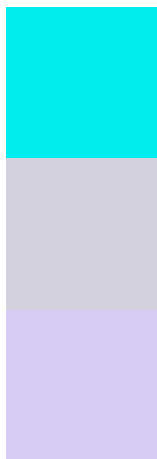


This preview shows how white text looks on a background with the XYZ color 45.2815, 66.1053,

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

45.2815, 66.1053, 90.4938

Protanopia

62.7156, 64.6703, 77.5838

Deuteranopia

66.1848, 64.6414, 94.5767



Tritanopia

48.1073, 66.4297, 103.2152

Trichromacy



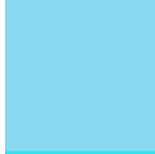
Original Color

45.2815, 66.1053, 90.4938



Protanomaly

49.0282, 61.2774, 81.9167



Deuteranomaly

50.7496, 60.7810, 92.2762



Tritanomaly

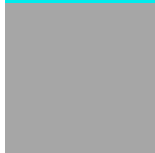
46.9488, 66.3651, 98.3310

Monochromacy



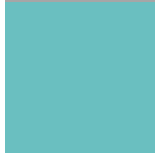
Original Color

45.2815, 66.1053, 90.4938



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.0891, 44.1315, 56.5907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2815, 66.1053, 90.4938 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, 236, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 236, 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(0, 236, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 236, 237) }
```

Border

The CSS property to change the border of an element to XYZ 45.2815, 66.1053, 90.4938 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, 236, 237) }
```


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

```
.border{ border-color:rgb(0, 236, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 236, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 236, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 236, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 236,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2815, 66.1053, 90.4938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 236, 237) }
```

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

```
.background{ background-color: rgb(0, 236,  
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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