

Converting Colors

XYZ(47.2576, 67.5527, 90.6690)

Have a look what the booklet for
XYZ(47.2576, 67.5527, 90.6690)
contains.

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Color

**XYZ(47.2576, 67.5527,
90.6690)**

Conversions

Conversions Part 1

Format	Color
Hex	39EDED
RGB	57, 237, 237
RGB Percent	22%, 93%, 93%
CMY	0.7764, 0.0706, 0.0706
CMYK	0.76, 0.00, 0.00, 0.07
HSL	180°, 83%, 58%
HSV	180°, 76%, 93%
XYZ	47.2576, 67.5527, 90.6690
YIQ	183.1800, -107.2800, -38.1600

Conversions

Conversions Part 2

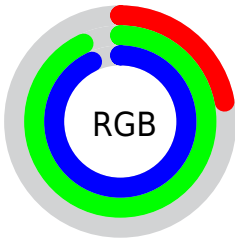
Format	Color
RYB	57, 147, 237
Decimal	3796461
CIELab	85.78, -42.61, -12.67
CIELCh	86, 44.453, 196.566
Yxy	67.5527, 0.2300, 0.3288
Android (android.graphics.Color)	4281986541 (0xFF39EDED)
YUV	183.1800, 26.5333, -110.6599
Hunter-Lab	82.1904, -41.1999, -7.8729

Details

The XYZ color **47.2576, 67.5527, 90.6690** 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 **37.1290, 21.2283, 6.0135**, and the grayscale version is **45.0127, 47.3568, 51.5716**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **24.6617, 35.9787, 49.3608** is the 20% darker color. If you saturate the color by 10%, you get **46.2088, 67.0135, 90.6212**, and if you desaturate by 10%, it is **48.9404, 68.4217, 90.7495**.

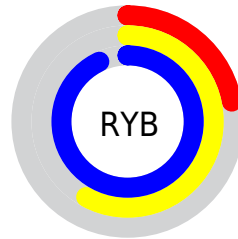
Distribution



Red (22%)

Green (93%)

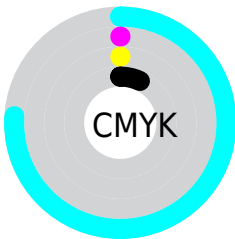
Blue (93%)



Red (22%)

Yellow (58%)

Blue (93%)

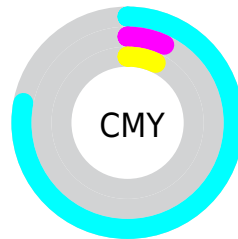


Cyan (76%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (78%)

Magenta (7%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2576, 67.5527, 90.6690 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 47.2576, 67.5527, 90.6690 by changing the saturation by 10% instead.

47.2576, 67.5527,
90.6690

47.2576, 67.5527,
90.6690

366.4736,
451.9096, 550.8308

33.4481, 49.5339,
67.9588

85.3144, 115.7120,
150.2109

22.6308, 35.0432,
49.3977

110.2925,
146.6213, 187.8798

14.4404, 23.6962,
34.5673

139.7241,
182.5963, 231.3719

8.5113, 15.1084,
23.0489

173.9747,
224.0213, 281.1059

4.4784, 8.8955,
14.4239

213.4096,
271.2808, 337.5002

1.9762, 4.6731,
8.2740

258.3941,

0.6205, 2.0568,

324.7590, 400.9734

4.1805

309.2937,
384.8405, 471.9441

■ 0.0000, 0.6401,
1.7249

■ 0.0000, 0.0000,
0.3777

■ 47.2576, 67.5527,
90.6690

■ 47.2576, 67.5527,
90.6690

■ 46.2088, 67.0135,
90.6212

■ 48.9404, 68.4217,
90.7495


■ 45.6918, 66.7470,
90.5968


■ 51.3287, 69.6529,
90.8614

■ 45.5714, 66.6849,
90.5911


■ 54.4910, 71.2831,
91.0096


■ 58.4860, 73.3426,
91.1968

 63.3668, 75.8588,
91.4254

 69.1822, 78.8567,
91.6978

 75.9774, 82.3597,
92.0160

 83.7945, 86.3896,
92.3820

 86.8119, 87.9451,
92.5234

Harmonies

Analogous

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



47.0329, 67.5527, 61.3164



47.2576, 67.5527, 90.6690



51.7013, 67.5527, 122.0674

Triad

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



47.2576, 67.5527, 90.6690



79.4480, 67.5527, 119.0647



68.8489, 67.5527, 31.4816

Complementary

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



47.2576, 67.5527, 90.6690



37.1290, 21.2283, 6.0135

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.



78.5819, 67.5527, 39.9722



47.2576, 67.5527, 90.6690



85.1224, 67.5527, 87.3190

Square

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



47.2576, 67.5527, 90.6690



69.9338, 67.5527, 141.1906



84.7897, 67.5527, 58.7398



58.8013, 67.5527, 31.9327

Rectangle

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



47.2576, 67.5527, 90.6690



56.7534, 67.5527, 137.6824



84.7897, 67.5527, 58.7398



72.2858, 67.5527, 33.2640

Sweetspot

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



47.2596, 67.5552, 90.6706



76.6660, 90.5227, 108.0391



32.8884, 61.8271, 14.0731



15.9112, 19.1186, 23.1015



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.



47.2596, 67.5552, 90.6706



54.1618, 78.9214, 106.9843



27.8824, 28.8003, 84.2130



15.5177, 17.1219, 19.4092



24.8795, 36.4063, 49.4577



1.9536, 2.8588, 3.8836

Inverse Universe

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



37.1290, 21.2283, 6.0135



41.6996, 21.9325, 2.8437



45.6397, 38.2499, 8.8502



15.0655, 15.0541, 15.6304



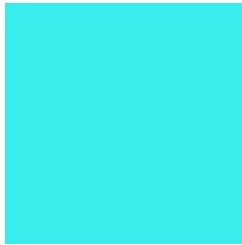
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 47.2576, 67.5527, 90.6690 looks on a white background.

Color Contrast Check

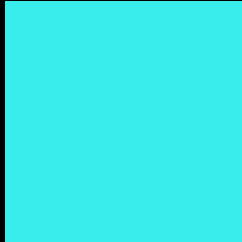
Large Text (above 18pt) WCAG AA × Fail

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 47.2576, 67.5527, 90.6690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

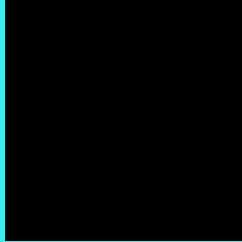
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2576, 67.5527, 90.6690

Background



This preview shows how black text looks on a background with the XYZ color 47.2576, 67.5527, 90.6690.

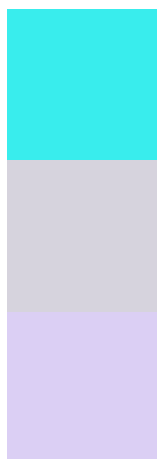


This preview shows how white text looks on a background with the XYZ color 47.2576, 67.5527,

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

47.2576, 67.5527, 90.6690

Protanopia

64.0770, 66.1051, 77.7890

Deuteranopia

67.8554, 66.2174, 94.7928



Tritanopia

49.7665, 67.2666, 104.1267

Trichromacy



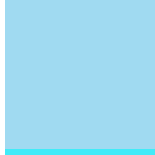
Original Color

47.2576, 67.5527, 90.6690



Protanomaly

53.3630, 63.9005, 82.1946



Deuteranomaly

55.4458, 63.9673, 92.6437



Tritanomaly

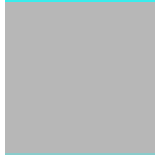
48.8316, 67.3178, 99.2269

Monochromacy



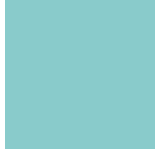
Original Color

47.2576, 67.5527, 90.6690



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.4520, 52.3420, 64.3655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2576, 67.5527, 90.6690 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(57, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(57, 237, 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(57, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 237, 237) }
```

Border

The CSS property to change the border of an element to XYZ 47.2576, 67.5527, 90.6690 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(57, 237, 237) }
```


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

```
.border{ border-color:rgb(57, 237, 237) }
```

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

Here you see how a box with a 4 pixel rgb(57, 237, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(57, 237,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2576, 67.5527, 90.6690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 237, 237) }
```

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

```
.background{ background-color: rgb(57, 237,  
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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