

Converting Colors

XYZ(47.7520, 67.8695, 90.8190)

Have a look what the booklet for
XYZ(47.7520, 67.8695, 90.8190)
contains.

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Color

**XYZ(47.6846, 67.7728,
90.6890)**

Conversions

Conversions Part 1

Format	Color
Hex	40EDED
RGB	64, 237, 237
RGB Percent	25%, 93%, 93%
CMY	0.7490, 0.0706, 0.0706
CMYK	0.73, 0.00, 0.00, 0.07
HSL	180°, 83%, 59%
HSV	180°, 73%, 93%
XYZ	47.6846, 67.7728, 90.6890
YIQ	185.2730, -103.1080, -36.6760

Conversions

Conversions Part 2

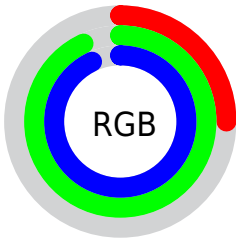
Format	Color
RYB	64, 151, 237
Decimal	4255213
CIELab	85.89, -41.89, -12.50
CIELCh	86, 43.719, 196.611
Yxy	67.7728, 0.2313, 0.3288
Android (android.graphics.Color)	4282445293 (0xFF40EDED)
YUV	185.2730, 25.5014, -106.3564
Hunter-Lab	82.3242, -40.6750, -7.6873

Details

The XYZ color **47.6846, 67.7728, 90.6890** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **37.6861, 22.0436, 7.1211**, and the grayscale version is **46.1724, 48.5770, 52.9003**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **24.6617, 35.9787, 49.3608** is the 20% darker color. If you saturate the color by 10%, you get **46.4587, 67.1423, 90.6330**, and if you desaturate by 10%, it is **49.5689, 68.7457, 90.7789**.

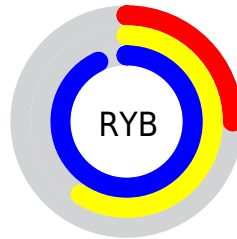
Distribution



Red (25%)

Green (93%)

Blue (93%)



Red (25%)

Yellow (59%)

Blue (93%)

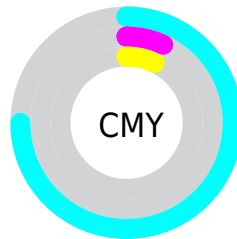


Cyan (73%)

Magenta (0%)

Yellow (0%)

Black (7%)



Cyan (75%)


Magenta (7%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6846, 67.7728, 90.6890 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 47.6846, 67.7728, 90.6890 by changing the saturation by 10% instead.


 47.6846, 67.7728,
90.6890


 47.6846, 67.7728,
90.6890


368.1440,
452.6906, 550.8974


 33.7874, 49.7129,
67.9753


 85.9472, 116.0271,
150.2389


 22.8924, 35.1853,
49.4111

 111.0432,
146.9902, 187.9123

 14.6344, 23.8057,
34.5778


 140.6030,
183.0233, 231.4092

 8.6478, 15.1895,
23.0569

 174.9917,
224.5106, 281.1484

 4.5674, 8.9525,
14.4298

214.5748,
271.8366, 337.5482

 2.0279, 4.7102,
8.2781

259.7177,

 0.6496, 2.0783,

325.3857, 401.0273

4.1831

310.7856,
385.5422, 472.0042

■ 0.0000, 0.6524,
1.7263

■ 0.0000, 0.0000,
0.3787

■ 47.6846, 67.7728,
90.6890

■ 47.6846, 67.7728,
90.6890

■ 46.4587, 67.1423,
90.6330

■ 49.5689, 68.7457,
90.7789


■ 45.7957, 66.8005,
90.6017


■ 52.1792, 70.0913,
90.9013


■ 45.5714, 66.6849,
90.5911


■ 55.5815, 71.8453,
91.0607


■ 59.8328, 74.0369,
91.2599

 64.9847, 76.6928,
91.5012

 71.0848, 79.8375,
91.7868

 78.1775, 83.4939,
92.1190

 86.3040, 87.6833,
92.4995

 86.8119, 87.9451,
92.5235

Harmonies

Analogous

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



47.4559, 67.7728, 61.7565



47.6846, 67.7728, 90.6890



52.0844, 67.7728, 121.5055

Triad

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



47.6846, 67.7728, 90.6890



79.4309, 67.7728, 118.4776



68.9741, 67.7728, 32.1262

Complementary

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



47.6846, 67.7728, 90.6890



37.6861, 22.0436, 7.1211

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.



78.5549, 67.7728, 40.5612



47.6846, 67.7728, 90.6890



85.0005, 67.7728, 87.3000

Square

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



47.6846, 67.7728, 90.6890



70.0731, 67.7728, 140.1771



84.6642, 67.7728, 59.1379



59.0719, 67.7728, 32.5888

Rectangle

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



47.6846, 67.7728, 90.6890



57.0773, 67.7728, 136.7873



84.6642, 67.7728, 59.1379



72.3583, 67.7728, 33.8980

Sweetspot

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



47.6866, 67.7753, 90.6906



77.3366, 90.8684, 108.0705



33.5185, 62.1303, 15.0780



16.1696, 19.2518, 23.1136



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.



47.6866, 67.7753, 90.6906



54.3627, 79.0250, 106.9938



28.8570, 30.1157, 84.4155



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.



37.6861, 22.0436, 7.1211



41.9617, 22.3161, 3.3648



46.3831, 39.4377, 10.0198



15.0655, 15.0541, 15.6304



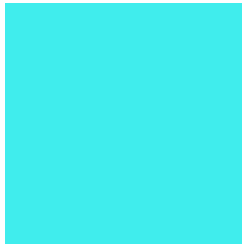
19.0678, 9.8298, 0.8924



1.4973, 0.7719, 0.0701

Previews

White Background



This preview shows how the XYZ color 47.6846, 67.7728, 90.6890 looks on a white background.

Color Contrast Check

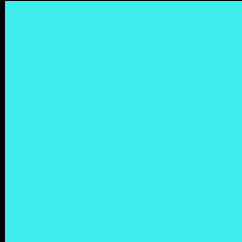
Large Text (above 18pt) WCAG AA × Fail

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 47.6846, 67.7728, 90.6890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

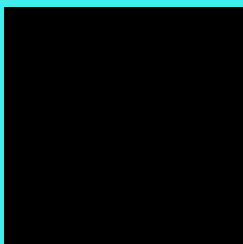
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

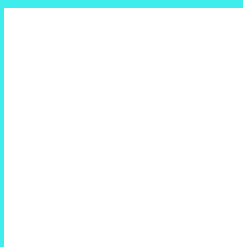
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6846, 67.7728, 90.6890

Background



This preview shows how black text looks on a background with the XYZ color 47.6846, 67.7728, 90.6890.

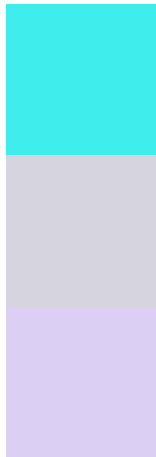


This preview shows how white text looks on a background with the XYZ color 47.6846, 67.7728,

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

47.6846, 67.7728, 90.6890

Protanopia

64.4599, 66.6570, 78.5759

Deuteranopia

67.9470, 66.6429, 94.0762



Tritanopia

50.2139, 67.4972, 104.1477

Trichromacy



Original Color

47.6846, 67.7728, 90.6890



Protanomaly

54.0197, 64.6299, 82.3007



Deuteranomaly

56.3130, 64.8004, 92.7588



Tritanomaly

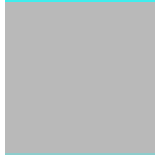
49.2501, 67.5336, 99.2465

Monochromacy



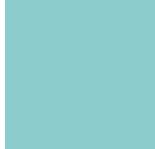
Original Color

47.6846, 67.7728, 90.6890



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.4765, 53.2081, 65.1055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6846, 67.7728, 90.6890 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, 237, 237)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 237, 237) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 47.6846, 67.7728, 90.6890 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, 237, 237) }
```


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

```
.border{ border-color:rgb(64, 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(64, 237, 237)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 47.6846, 67.7728, 90.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(64, 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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