

# Converting Colors

XYZ(43.3377, 54.2083, 87.1627)

Have a look what the booklet for  
XYZ(43.3377, 54.2083, 87.1627)  
contains.

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# Color

**XYZ(43.2897, 54.0514,  
87.5082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67D0EC
RGB	103, 208, 236
RGB Percent	40%, 82%, 93%
CMY	0.5961, 0.1843, 0.0745
CMYK	0.56, 0.12, 0.00, 0.07
HSL	193°, 78%, 66%
HSV	193°, 56%, 93%
XYZ	43.2897, 54.0514, 87.5082
YIQ	179.7970, -71.5680, -13.5520

# Conversions

## Conversions Part 2

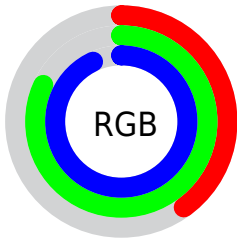
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	103, 162, 236
Decimal	6803692
CIELab	78.49, -22.59, -23.03
CIELCh	78, 32.264, 225.549
Yxy	54.0514, 0.2342, 0.2924
Android (android.graphics.Color)	4284993772 (0xFF67D0EC)
YUV	179.7970, 27.7081, -67.3510
Hunter-Lab	73.5197, -23.5554, -19.1073

# Details

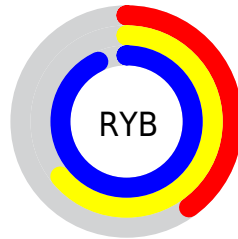
The XYZ color **43.2897, 54.0514, 87.5082** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **45.1580, 35.0464, 17.2183**, and the grayscale version is **43.1590, 45.4066, 49.4478**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **20.1361, 26.3390, 47.2027** is the 20% darker color. If you saturate the color by 10%, you get **39.7630, 50.4642, 87.0027**, and if you desaturate by 10%, it is **47.6215, 58.1122, 88.0647**.

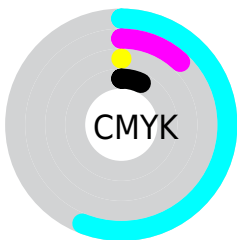
# Distribution



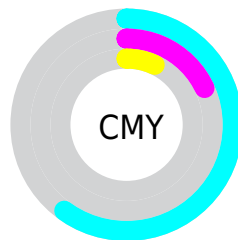
- Red (40%)
- Green (82%)
- Blue (93%)



- Red (40%)
- Yellow (64%)
- Blue (93%)



- Cyan (56%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (18%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.2897, 54.0514, 87.5082 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 43.2897, 54.0514, 87.5082 by changing the saturation by 10% instead.



43.2897, 54.0514,  
87.5082

43.2897, 54.0514,  
87.5082

350.7032,  
402.3060, 540.2509

30.3080, 38.6428,  
65.3538

79.4008, 96.1497,  
145.7774

20.2217, 26.4819,  
47.2949

103.2610,  
123.6082, 182.7293

12.6655, 17.1845,  
32.9128

131.4780,  
155.8520, 225.4508

7.2740, 10.3661,  
21.7891

164.4172,  
193.2657, 274.3604

3.6819, 5.6424,  
13.5052

202.4439,  
236.2335, 329.8766

1.5238, 2.6289,  
7.6425

245.9236,

0.3419, 0.9412,

285.1399, 392.4181

3.7826

295.2216,  
340.3692, 462.4033

■ 0.0000, 0.0000,  
1.5069

■ 0.0000, 0.0000,  
0.2230

■ 43.2897, 54.0514,  
87.5082

■ 43.2897, 54.0514,  
87.5082

■ 39.7630, 50.4642,  
87.0027

■ 47.6215, 58.1122,  
88.0647

■ 36.9699, 47.3099,  
86.5411

■ 52.8121, 62.6714,  
88.6711

■ 34.8343, 44.5499,  
86.1209

■ 58.9162, 67.7590,  
89.3314

■ 33.2592, 42.1336,  
85.7375

■ 65.9827, 73.4004,  
90.0479

■ 32.7665, 41.3081,  
85.6041

■ 74.0565, 79.6195,  
90.8227

■ 83.1800, 86.4384,  
91.6581

■ 88.3657, 91.2866,  
92.3205

■ 89.8710, 94.2972,  
92.8223

■ 91.4168, 97.3889,  
93.3376

# Harmonies

## Analogous

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



40.4868, 54.0514, 68.7321



43.2897, 54.0514, 87.5082



48.3872, 54.0514, 99.6212

# Triad

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



43.2897, 54.0514, 87.5082



64.1272, 54.0514, 68.0171



48.1705, 54.0514, 31.1848

# Complementary

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



43.2897, 54.0514, 87.5082



45.1580, 35.0464, 17.2183

# 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.



54.4817, 54.0514, 31.0714



43.2897, 54.0514, 87.5082



64.0571, 54.0514, 49.9686

# Square

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



43.2897, 54.0514, 87.5082



60.5918, 54.0514, 86.8927



60.4074, 54.0514, 37.2548



43.1423, 54.0514, 37.6050



# Rectangle

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



43.2897, 54.0514, 87.5082



52.5638, 54.0514, 100.9658



60.4074, 54.0514, 37.2548



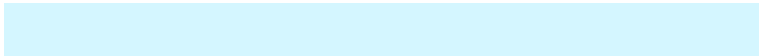
50.2027, 54.0514, 30.4598

# Sweetspot

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



43.2914, 54.0534, 87.5095



78.0180, 86.9999, 107.2884



39.5929, 64.4767, 31.3391



16.3186, 18.3216, 22.9263



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.



43.2914, 54.0534, 87.5095



46.6951, 59.3962, 103.6113



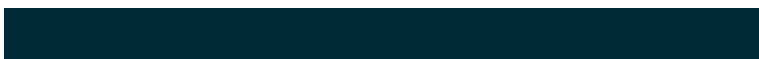
30.5430, 28.5566, 83.2600



15.2329, 16.5522, 19.3143



18.1583, 22.9637, 47.2184



1.4931, 1.9377, 3.7302



# Inverse Universe

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



50.8290, 32.0891, 63.1913



56.9471, 32.3224, 69.9076



56.8042, 58.3388, 21.1003



15.5711, 15.2563, 18.2927



24.0208, 11.8110, 26.9746

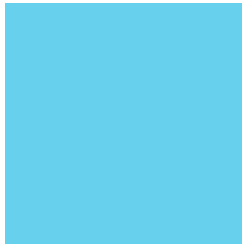


1.9202, 0.9410, 2.2970



# Previews

## White Background



This preview shows how the XYZ color 43.2897, 54.0514, 87.5082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

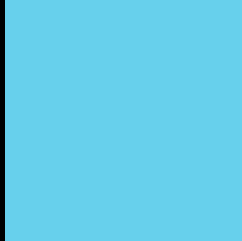
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.2897, 54.0514, 87.5082 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 43.2897, 54.0514, 87.5082**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.2897, 54.0514, 87.5082.



This preview shows how white text looks on a background with the XYZ color 43.2897, 54.0514,



# 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

43.2897, 54.0514, 87.5082

### Protanopia

52.7149, 53.2626, 78.7365

### Deuteranopia

54.6648, 53.3778, 89.8599



## Tritanopia

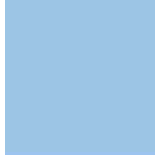
42.0573, 54.2919, 80.9358

# Trichromacy



## Original Color

43.2897, 54.0514, 87.5082



## Protanomaly

47.8194, 52.6576, 81.7723



## Deuteranomaly

49.2245, 52.8799, 89.2738



## Tritanomaly

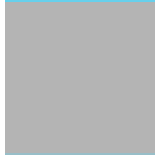
42.3389, 54.0234, 83.0590

# Monochromacy



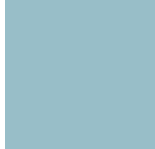
## Original Color

43.2897, 54.0514, 87.5082



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

41.7877, 47.6724, 61.6428

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.2897, 54.0514, 87.5082 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(103, 208, 236)` looks like.

```
.text, #text, p{  
    color:rgb(103, 208, 236)  
}
```

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(103, 208, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 208, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 43.2897, 54.0514, 87.5082 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(103, 208, 236) }
```



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

```
.border{ border-color:rgb(103, 208, 236) }
```

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

Here you see how a box with a 4 pixel rgb(103, 208, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 208, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 208, 236);  
box-shadow:4px 4px 4px 4px rgb(103, 208,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.2897, 54.0514, 87.5082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 208, 236) }
```

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

```
.background{ background-color: rgb(103,  
208, 236) }
```

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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