

Converting Colors

XYZ(41.1932, 51.4196, 87.1132)

Have a look what the booklet for
XYZ(41.1932, 51.4196, 87.1132)
contains.

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Color

**XYZ(41.2474, 51.5690,
87.1367)**

Conversions

Conversions Part 1	
Format	Color
Hex	5DCCEC
RGB	93, 204, 236
RGB Percent	36%, 80%, 93%
CMY	0.6353, 0.2000, 0.0745
CMYK	0.61, 0.14, 0.00, 0.07
HSL	193°, 79%, 65%
HSV	193°, 61%, 93%
XYZ	41.2474, 51.5690, 87.1367
YIQ	174.4590, -76.4280, -13.5800

Conversions

Conversions Part 2

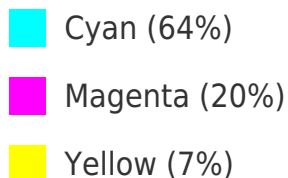
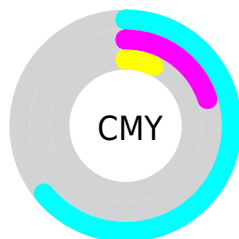
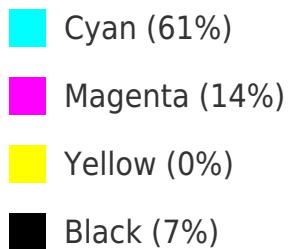
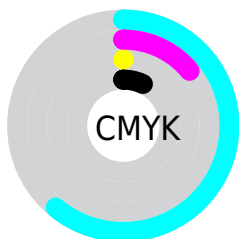
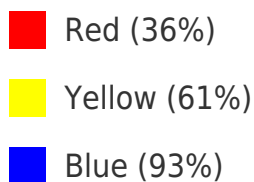
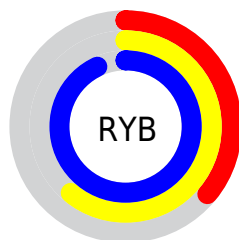
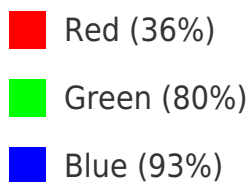
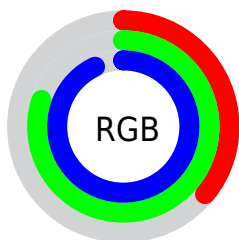
Format	Color
RYB	93, 155, 236
Decimal	6147308
CIELab	77.02, -22.41, -25.30
CIELCh	77, 33.799, 228.469
Yxy	51.5690, 0.2292, 0.2866
Android (android.graphics.Color)	4284337388 (0xFF5DCCEC)
YUV	174.4590, 30.3397, -71.4395
Hunter-Lab	71.8116, -23.1427, -21.6749

Details

The XYZ color **41.2474, 51.5690, 87.1367** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **43.9030, 33.2923, 14.4699**, and the grayscale version is **40.3468, 42.4480, 46.2259**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **19.1446, 25.1080, 47.0173** is the 20% darker color. If you saturate the color by 10%, you get **37.9833, 48.0553, 86.6315**, and if you desaturate by 10%, it is **45.2943, 55.5515, 87.6931**.

Distribution





Brightness & Saturation

Gradients


These gradients show how the XYZ color 41.2474, 51.5690, 87.1367 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 41.2474, 51.5690, 87.1367 by changing the saturation by 10% instead.

 41.2474, 51.5690,
87.1367


 41.2474, 51.5690,
87.1367


342.3985,
392.7704, 538.9998


 28.7010, 36.6616,
65.0481


 76.3316, 92.4953,
145.2552


 18.9979, 24.9456,
47.0485

 99.6002, 119.2830,
182.1222

 11.7727, 16.0365,
32.7193


 127.1735,
150.7997, 224.7523

 6.6602, 9.5500,
21.6422

 159.4168,
187.4296, 273.5642

 3.2950, 5.1016,
13.3984

196.6957,
229.5573, 328.9763

 1.3116, 2.3070,
7.5695

239.3753,

 0.1919, 0.7774,

277.5671, 391.4073

3.7370

287.8212,
331.8433, 461.2756

0.0000, 0.0000,
1.4822

0.0000, 0.0000,
0.2046

41.2474, 51.5690,
87.1367

41.2474, 51.5690,
87.1367

37.9833, 48.0553,
86.6315

45.2943, 55.5515,
87.6931

35.4261, 44.9677,
86.1703


50.1807, 60.0295,
88.2999


33.4933, 42.2638,
85.7503


55.9637, 65.0341,
88.9611


32.1132, 40.0017,
85.3864


62.6937, 70.5919,
89.6791

 70.4175, 76.7276,
90.4563

 79.1785, 83.4641,
91.2949

 87.8271, 90.2095,
92.1410

 89.4129, 93.3810,
92.6696

 91.0444, 96.6440,
93.2134

Harmonies

Analogous

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



38.1731, 51.5690, 68.1632



41.2474, 51.5690, 87.1367



46.5786, 51.5690, 98.6080

Triad

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



41.2474, 51.5690, 87.1367



62.1903, 51.5690, 63.5488



45.1920, 51.5690, 28.7615

Complementary

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



41.2474, 51.5690, 87.1367



43.9030, 33.2923, 14.4699

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.



51.5344, 51.5690, 28.0555



41.2474, 51.5690, 87.1367



61.7364, 51.5690, 45.6381

Square

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



41.2474, 51.5690, 87.1367



58.8915, 51.5690, 83.1277



57.7008, 51.5690, 33.5476



40.3091, 51.5690, 35.7491

Rectangle

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



41.2474, 51.5690, 87.1367



50.8631, 51.5690, 99.0881



57.7008, 51.5690, 33.5476



47.2118, 51.5690, 27.8487

Sweetspot

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



41.2491, 51.5709, 87.1379



76.9432, 85.9307, 107.1387



38.1482, 63.7742, 29.3644



15.9229, 17.9525, 22.8759



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.



41.2491, 51.5709, 87.1379



44.3746, 56.2417, 103.1247



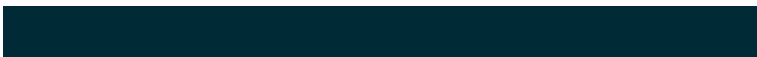
28.1148, 25.3023, 82.7598



15.2152, 16.5168, 19.3084



17.8022, 22.2513, 47.0996



1.4680, 1.8875, 3.7218

Inverse Universe

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



49.4070, 30.0229, 60.3196



55.4129, 30.3194, 66.1119



56.1929, 57.8721, 18.5665



15.5622, 15.2527, 18.2457



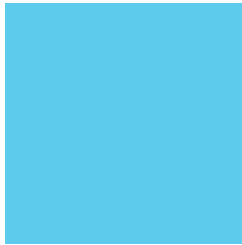
23.8410, 11.7391, 26.0278



1.9075, 0.9360, 2.2302

Previews

White Background



This preview shows how the XYZ color 41.2474, 51.5690, 87.1367 looks on a white background.

Color Contrast Check

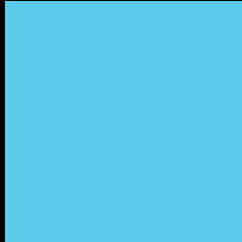
Large Text (above 18pt) WCAG AA × Fail

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 41.2474, 51.5690, 87.1367 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 41.2474, 51.5690, 87.1367

Background



This preview shows how black text looks on a background with the XYZ color 41.2474, 51.5690, 87.1367.

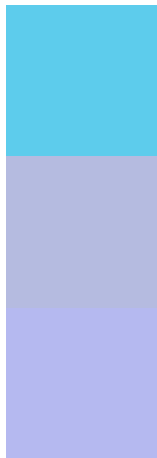


This preview shows how white text looks on a background with the XYZ color 41.2474, 51.5690,

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

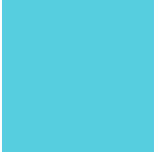
41.2474, 51.5690, 87.1367

Protanopia

50.2809, 50.7462, 77.6659

Deuteranopia

52.1332, 50.8130, 89.4982



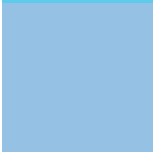
Tritanopia

39.3211, 51.4966, 77.6794

Trichromacy



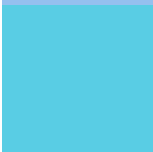
Original Color
41.2474, 51.5690, 87.1367



Protanomaly
45.4680, 50.1309, 80.6786



Deuteranomaly
46.8241, 50.3208, 88.9064

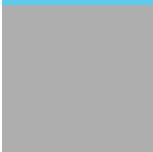


Tritanomaly
39.9547, 51.3879, 81.2118

Monochromacy



Original Color
41.2474, 51.5690, 87.1367



Achromatopsia
40.2316, 42.3268, 46.0938



Achromatomaly
39.1041, 44.7489, 59.3997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2474, 51.5690, 87.1367 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(93, 204, 236)` looks like.

```
.text, #text, p{  
    color:rgb(93, 204, 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(93, 204, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 204, 236) }
```

Border

The CSS property to change the border of an element to XYZ 41.2474, 51.5690, 87.1367 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(93, 204, 236) }
```


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

```
.border{ border-color:rgb(93, 204, 236) }
```

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

Here you see how a box with a 4 pixel rgb(93, 204, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 204, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 204, 236);  
box-shadow:4px 4px 4px 4px rgb(93, 204,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2474, 51.5690, 87.1367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 204, 236) }
```

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

```
.background{ background-color: rgb(93, 204,  
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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awesome pro features!

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