

Converting Colors

XYZ(36.8578, 49.9208, 81.2062)

Have a look what the booklet for
XYZ(36.8578, 49.9208, 81.2062)
contains.

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Color

**XYZ(36.7494, 49.7355,
81.0618)**

Conversions

Conversions Part 1

Format	Color
Hex	29CDE4
RGB	41, 205, 228
RGB Percent	16%, 80%, 89%
CMY	0.8391, 0.1961, 0.1059
CMYK	0.82, 0.10, 0.00, 0.11
HSL	187°, 78%, 53%
HSV	187°, 82%, 89%
XYZ	36.7494, 49.7355, 81.0618
YIQ	158.5860, -105.1270, -27.6150

Conversions

Conversions Part 2

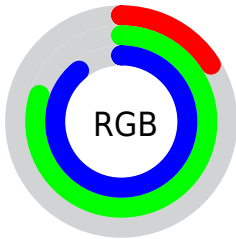
Format	Color
R _{YB}	41, 128, 228
Decimal	2739684
CIE Lab	75.91, -31.89, -22.81
CIE LCh	76, 39.208, 215.568
Yxy	49.7355, 0.2193, 0.2968
Android (android.graphics.Color)	4280929764 (0xFF29CDE4)
YUV	158.5860, 34.2211, -103.1229
Hunter-Lab	70.5234, -30.4005, -18.7834

Details

The XYZ color **36.7494, 49.7355, 81.0618** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.2303, 20.3233, 4.2183**, and the grayscale version is **32.6523, 34.3527, 37.4101**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **18.4492, 24.8298, 43.3554** is the 20% darker color. If you saturate the color by 10%, you get **35.4245, 48.0665, 80.8104**, and if you desaturate by 10%, it is **38.6153, 51.7032, 81.3442**.

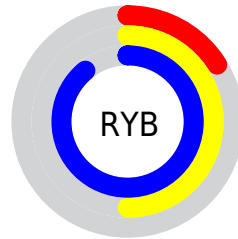
Distribution



Red (16%)

Green (80%)

Blue (89%)



Red (16%)

Yellow (50%)

Blue (89%)

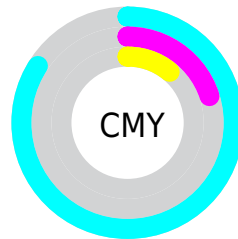


Cyan (82%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (84%)

Magenta (20%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7494, 49.7355, 81.0618 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 36.7494, 49.7355, 81.0618 by changing the saturation by 10% instead.

36.7494, 49.7355,
81.0618

36.7494, 49.7355,
81.0618

323.5987,
385.6307, 518.3048

25.1863, 35.2033,
60.0612

69.5035, 89.7829,
136.6824

16.3454, 23.8195,
43.0423

91.4253, 116.0668,
172.1395

9.8613, 15.1998,
29.5867

117.5306,
147.0367, 213.2524

5.3686, 8.9597,
19.2757

148.1849,
183.0771, 260.4399

2.5021, 4.7149,
11.6908

183.7535,
224.5723, 314.1203

0.8963, 2.0810,
6.4136

224.6018,

0.0000, 0.6539,

271.9067, 374.7122

3.0253

271.0950,
325.4647, 442.6342

■ 0.0000, 0.0000,
1.1076

■ 0.0000, 0.0000,
0.0000

■ 36.7494, 49.7355,
81.0618

■ 36.7494, 49.7355,
81.0618

■ 35.4245, 48.0665,
80.8104

■ 38.6153, 51.7032,
81.3442

■ 34.6482, 46.8903,
80.6243

■ 41.0967, 54.0052,
81.6578

■ 44.2613, 56.6774,
82.0068

■ 48.1663, 59.7495,
82.3939

■ 52.8632, 63.2480,
82.8216

■ 58.3986, 67.1971,
83.2921

■ 64.8155, 71.6190,
83.8074

■ 72.1540, 76.5344,
84.3694

■ 80.4516, 81.9629,
84.9799

Harmonies

Analogous

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



34.6333, 49.7355, 58.1480



36.7494, 49.7355, 81.0618



41.7010, 49.7355, 99.6154

Triad

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



36.7494, 49.7355, 81.0618



61.2372, 49.7355, 72.5396



45.9233, 49.7355, 23.1891

Complementary

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



36.7494, 49.7355, 81.0618



34.2303, 20.3233, 4.2183

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.



53.3185, 49.7355, 25.1809



36.7494, 49.7355, 81.0618



62.6631, 49.7355, 50.3462

Square

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



36.7494, 49.7355, 81.0618



55.9153, 49.7355, 93.8741



59.6331, 49.7355, 33.9755



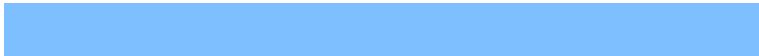
39.5689, 49.7355, 27.5950

Rectangle

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



36.7494, 49.7355, 81.0618



46.1957, 49.7355, 104.9309



59.6331, 49.7355, 33.9755



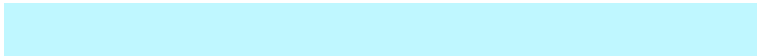
48.3651, 49.7355, 23.1497

Sweetspot

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



36.7510, 49.7373, 81.0630



72.9081, 84.9475, 107.1616



29.5516, 56.3164, 13.9910



15.0649, 17.7968, 22.8911



0.0000, 0.0000, 0.0000



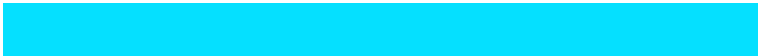
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7510, 49.7373, 81.0630



44.8401, 60.7055, 103.9618



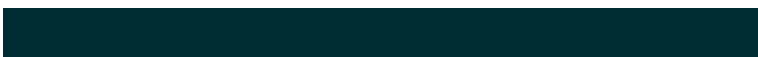
20.7903, 17.8158, 75.7428



14.6482, 16.0179, 18.4640



20.0663, 27.1946, 46.5747



1.5255, 2.0950, 3.4559

Inverse Universe

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



43.8087, 22.4893, 59.7913



54.7856, 26.7668, 72.9869



44.3390, 40.5406, 7.5878



14.9148, 14.5831, 17.7516



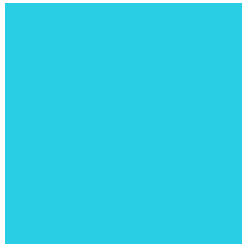
24.5220, 11.9430, 32.7077



1.8337, 0.8912, 2.5305

Previews

White Background



This preview shows how the XYZ color 36.7494, 49.7355, 81.0618 looks on a white background.

Color Contrast Check

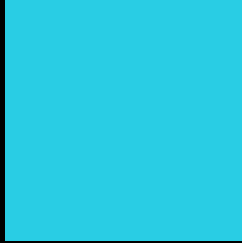
Large Text (above 18pt) WCAG AA × Fail

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 36.7494, 49.7355, 81.0618 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

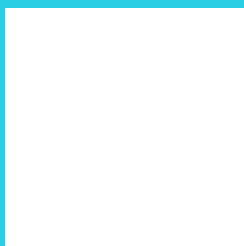
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7494, 49.7355, 81.0618

Background



This preview shows how black text looks on a background with the XYZ color 36.7494, 49.7355, 81.0618.



This preview shows how white text looks on a background with the XYZ color 36.7494, 49.7355,

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

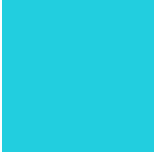
36.7494, 49.7355, 81.0618

Protanopia

48.1005, 48.8393, 70.5101

Deuteranopia

50.0263, 48.9228, 83.8972



Tritanopia

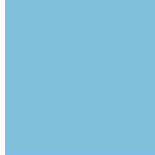
36.0503, 49.8104, 77.5264

Trichromacy



Original Color

36.7494, 49.7355, 81.0618



Protanomaly

40.6891, 47.4809, 74.0380



Deuteranomaly

41.8905, 47.2636, 82.5162



Tritanomaly

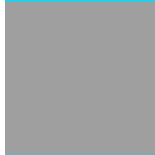
36.4249, 49.9722, 78.9600

Monochromacy



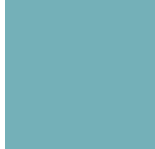
Original Color

36.7494, 49.7355, 81.0618



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.3795, 38.2244, 51.0716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7494, 49.7355, 81.0618 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(41, 205, 228)` looks like.

```
.text, #text, p{  
    color:rgb(41, 205, 228)  
}
```

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(41, 205, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 205, 228) }
```

Border

The CSS property to change the border of an element to XYZ 36.7494, 49.7355, 81.0618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

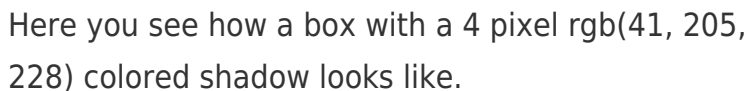
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(41, 205, 228) }
```


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

```
.border{ border-color:rgb(41, 205, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(41, 205, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 205, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 205, 228);  
box-shadow:4px 4px 4px 4px rgb(41, 205,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7494, 49.7355, 81.0618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 205, 228) }
```

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

```
.background{ background-color: rgb(41, 205,  
228) }
```

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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