

Converting Colors

XYZ(36.2115, 49.5575, 73.1331)

Have a look what the booklet for
XYZ(36.2115, 49.5575, 73.1331)
contains.

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Color

**XYZ(36.2802, 49.6645,
73.3197)**

Conversions

Conversions Part 1

Format	Color
Hex	3DCDD9
RGB	61, 205, 217
RGB Percent	24%, 80%, 85%
CMY	0.7607, 0.1961, 0.1490
CMYK	0.72, 0.06, 0.00, 0.15
HSL	185°, 67%, 55%
HSV	185°, 72%, 85%
XYZ	36.2802, 49.6645, 73.3197
YIQ	163.3120, -89.6760, -26.7960

Conversions

Conversions Part 2

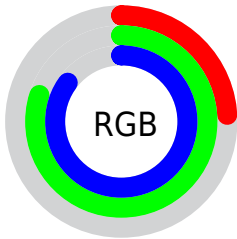
Format	Color
RYB	61, 136, 217
Decimal	4050393
CIELab	75.86, -33.26, -16.92
CIELCh	76, 37.316, 206.958
Yxy	49.6645, 0.2278, 0.3118
Android (android.graphics.Color)	4282240473 (0xFF3DCDD9)
YUV	163.3120, 26.4682, -89.7276
Hunter-Lab	70.4730, -31.4343, -12.3538

Details

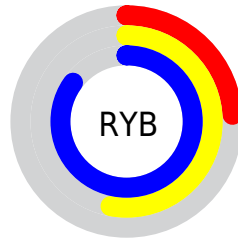
The XYZ color **36.2802, 49.6645, 73.3197** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.8414, 19.8553, 6.5706**, and the grayscale version is **34.8714, 36.6875, 39.9526**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **17.4279, 24.4213, 37.9777** is the 20% darker color. If you saturate the color by 10%, you get **34.8080, 48.3170, 73.1381**, and if you desaturate by 10%, it is **38.2999, 51.3026, 73.5304**.

Distribution



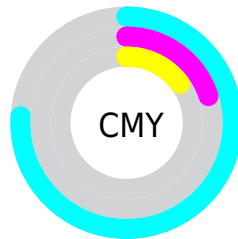
- Red (24%)
- Green (80%)
- Blue (85%)



- Red (24%)
- Yellow (53%)
- Blue (85%)



- Cyan (72%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (76%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2802, 49.6645, 73.3197 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 36.2802, 49.6645, 73.3197 by changing the saturation by 10% instead.

36.2802, 49.6645,
73.3197

36.2802, 49.6645,
73.3197

321.5935,
385.3525, 491.2226

24.8218, 35.1469,
53.7440

68.7854, 89.6776,
125.6561

16.0724, 23.7761,
38.0053

90.5628, 115.9419,
159.2538

9.6665, 15.1676,
25.6849

116.5107,
146.8905, 198.3627

5.2390, 8.9371,
16.3644

146.9943,
182.9078, 243.4012

2.4244, 4.7002,
9.6252

182.3791,
224.3783, 294.7879

0.8573, 2.0724,
5.0489

223.0303,

0.0000, 0.6491,

271.6863, 352.9414

2.2167

269.3133,
325.2162, 418.2801

■ 0.0000, 0.0000,
0.6840

■ 0.0000, 0.0000,
0.0000

■ 36.2802, 49.6645,
73.3197

■ 36.2802, 49.6645,
73.3197

■ 34.8080, 48.3170,
73.1381

■ 38.2999, 51.3026,
73.5304

■ 33.8088, 47.2186,
72.9788

■ 40.9205, 53.2559,
73.7693

■ 33.2508, 46.4622,
72.8622

■ 44.1943, 55.5522,
74.0399

■ 48.1667, 58.2150,
74.3446

■ 52.8788, 61.2656,
74.6850

■ 58.3687, 64.7236,
75.0631

■ 64.6718, 68.6072,
75.4805

■ 71.8214, 72.9337,
75.9388

■ 79.3643, 77.4694,
76.4167

Harmonies

Analogous

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



35.0924, 49.6645, 52.0729



36.2802, 49.6645, 73.3197



40.2952, 49.6645, 92.8604

Triad

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



36.2802, 49.6645, 73.3197



59.2991, 49.6645, 77.7087



47.9165, 49.6645, 24.1841

Complementary

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



36.2802, 49.6645, 73.3197



31.8414, 19.8553, 6.5706

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.



54.8619, 49.6645, 27.9476



36.2802, 49.6645, 73.3197



61.8251, 49.6645, 56.1302

Square

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



36.2802, 49.6645, 73.3197



53.5169, 49.6645, 95.7998



60.1275, 49.6645, 38.5339



41.4093, 49.6645, 26.6615

Rectangle

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



36.2802, 49.6645, 73.3197



44.2564, 49.6645, 100.5120



60.1275, 49.6645, 38.5339



50.2809, 49.6645, 24.7333

Sweetspot

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



36.2817, 49.6663, 73.3209



75.9755, 88.1461, 107.6173



27.8889, 51.0791, 14.4199



15.8428, 18.5982, 23.0048



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.



36.2817, 49.6663, 73.3209



49.3801, 68.8156, 105.2879



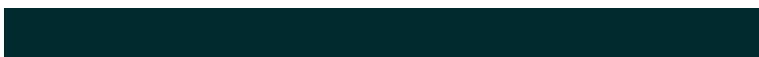
22.2483, 21.5994, 68.6431



13.3547, 14.6492, 16.7758



20.1632, 28.1959, 44.1180



1.3323, 1.8787, 2.8669

Inverse Universe

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



41.3048, 22.4985, 59.9251



57.3139, 28.6845, 83.5065



40.2700, 36.7124, 9.3802



13.5689, 13.2567, 16.2571



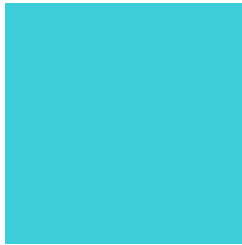
23.6728, 11.4702, 34.2526



1.5468, 0.7483, 2.2882

Previews

White Background



This preview shows how the XYZ color 36.2802, 49.6645, 73.3197 looks on a white background.

Color Contrast Check

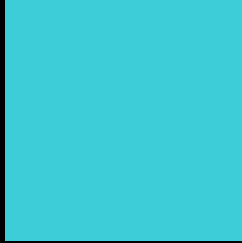
Large Text (above 18pt) WCAG AA × Fail

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 36.2802, 49.6645, 73.3197 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

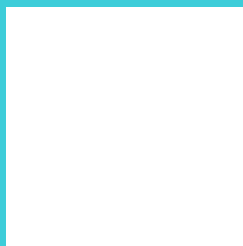
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2802, 49.6645, 73.3197

Background



This preview shows how black text looks on a background with the XYZ color 36.2802, 49.6645, 73.3197.



This preview shows how white text looks on a background with the XYZ color 36.2802, 49.6645,

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

36.2802, 49.6645, 73.3197

Protanopia

47.5680, 48.7079, 64.0212

Deuteranopia

49.7163, 48.6360, 75.8746



Tritanopia

36.7584, 49.4962, 76.0230

Trichromacy



Original Color

36.2802, 49.6645, 73.3197



Protanomaly

41.0057, 47.7917, 67.3851



Deuteranomaly

42.1469, 47.5697, 74.6706



Tritanomaly

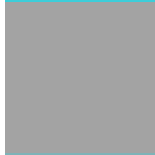
36.5610, 49.4098, 75.3202

Monochromacy



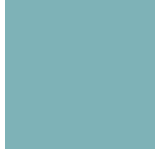
Original Color

36.2802, 49.6645, 73.3197



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

33.0718, 39.6953, 50.7186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2802, 49.6645, 73.3197 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(61, 205, 217)` looks like.

```
.text, #text, p{  
    color:rgb(61, 205, 217)  
}
```

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(61, 205, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 205, 217) }
```

Border

The CSS property to change the border of an element to XYZ 36.2802, 49.6645, 73.3197 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(61, 205, 217) }
```


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

```
.border{ border-color:rgb(61, 205, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 205, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 205, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 205, 217);  
box-shadow:4px 4px 4px 4px rgb(61, 205,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2802, 49.6645, 73.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 205, 217) }
```

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

```
.background{ background-color: rgb(61, 205,  
217) }
```

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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