

Converting Colors

XYZ(30.6919, 40.8878, 69.8653)

Have a look what the booklet for
XYZ(30.6919, 40.8878, 69.8653)
contains.

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Color

**XYZ(30.6355, 40.7708,
69.8732)**

Conversions

Conversions Part 1

Format	Color
Hex	24BBD6
RGB	36, 187, 214
RGB Percent	14%, 73%, 84%
CMY	0.8588, 0.2667, 0.1608
CMYK	0.83, 0.13, 0.00, 0.16
HSL	189°, 71%, 49%
HSV	189°, 83%, 84%
XYZ	30.6355, 40.7708, 69.8732
YIQ	144.9290, -98.6630, -23.6150

Conversions

Conversions Part 2

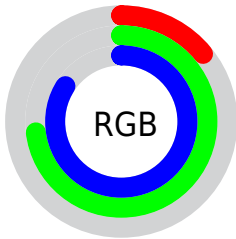
Format	Color
RYB	36, 118, 214
Decimal	2407382
CIELab	70.02, -27.93, -24.21
CIELCh	70, 36.965, 220.912
Yxy	40.7708, 0.2168, 0.2886
Android (android.graphics.Color)	4280597462 (0xFF24BBD6)
YUV	144.9290, 34.0520, -95.5307
Hunter-Lab	63.8520, -26.0987, -20.1846

Details

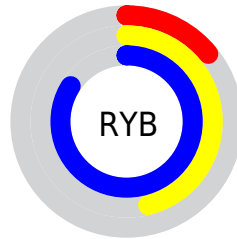
The XYZ color **30.6355, 40.7708, 69.8732** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **29.8290, 17.9807, 3.5690**, and the grayscale version is **26.7824, 28.1771, 30.6849**.

A 20% lighter version of the original color is **57.1708, 74.9660, 106.0644**, and **14.6455, 19.2783, 35.7501** is the 20% darker color. If you saturate the color by 10%, you get **29.4185, 39.1333, 69.6221**, and if you desaturate by 10%, it is **32.3165, 42.6721, 70.1524**.

Distribution



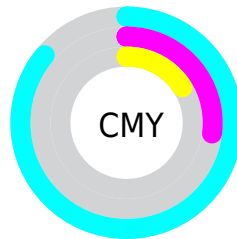
- Red (14%)
- Green (73%)
- Blue (84%)



- Red (14%)
- Yellow (46%)
- Blue (84%)



- Cyan (83%)
- Magenta (13%)
- Yellow (0%)
- Black (16%)



- Cyan (86%)
- Magenta (27%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6355, 40.7708, 69.8732 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 30.6355, 40.7708, 69.8732 by changing the saturation by 10% instead.

■ 30.6355, 40.7708,
69.8732

■ 30.6355, 40.7708,
69.8732

296.7125,
349.3618, 478.8818

■ 20.4719, 28.1400,
50.9470

■ 60.0455, 76.3358,
120.7073

■ 12.8488, 18.4312,
35.7900

■ 80.0226, 100.0389,
153.4523

■ 7.4008, 11.2600,
23.9836

■ 104.0016,
128.2015, 191.6407

■ 3.7625, 6.2420,
15.1094

■ 132.3479,
161.2081, 235.6910

■ 1.5687, 2.9928,
8.7487

■ 165.4268,
199.4430, 286.0217

■ 0.3719, 1.1280,
4.4831

203.6036,

■ 0.0000, 0.0017,

243.2907, 343.0513

1.8939

247.2437,
293.1355, 407.1985

■ 0.0000, 0.0000,
0.4889

■ 0.0000, 0.0000,
0.0000

■ 30.6355, 40.7708,
69.8732

■ 30.6355, 40.7708,
69.8732

■ 29.4185, 39.1333,
69.6221

■ 32.3165, 42.6721,
70.1524

■ 28.7714, 38.1225,
69.4611

■ 34.5267, 44.8688,
70.4599

■ 37.3251, 47.3920,
70.7994

■ 40.7613, 50.2677,
71.1734

■ 44.8799, 53.5188,
71.5838

■ 49.7213, 57.1663,
72.0327

■ 55.3226, 61.2297,
72.5218

■ 61.7185, 65.7267,
73.0527

■ 68.9414, 70.6744,
73.6270

Harmonies

Analogous

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



28.4481, 40.7708, 50.9772



30.6355, 40.7708, 69.8732



35.0832, 40.7708, 83.7313

Triad

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



30.6355, 40.7708, 69.8732



50.7692, 40.7708, 56.1570



36.5985, 40.7708, 19.1244

Complementary

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



30.6355, 40.7708, 69.8732



29.8290, 17.9807, 3.5690

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.



42.6668, 40.7708, 19.8317



30.6355, 40.7708, 69.8732



51.2831, 40.7708, 38.4007

Square

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



30.6355, 40.7708, 69.8732



46.8485, 40.7708, 74.5006



48.1873, 40.7708, 26.0089



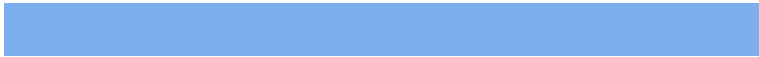
31.6456, 40.7708, 23.7351

Rectangle

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



30.6355, 40.7708, 69.8732



38.9361, 40.7708, 86.5421



48.1873, 40.7708, 26.0089



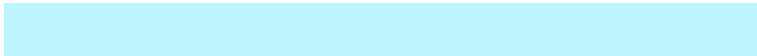
38.5673, 40.7708, 18.7865

Sweetspot

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



30.6368, 40.7723, 69.8742



72.3510, 83.8333, 106.9759



25.6643, 48.8248, 12.7326



14.9298, 17.5266, 22.8460



0.0000, 0.0000, 0.0000



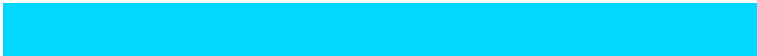
20.3446, 21.4041, 23.3091

Same Dimension

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



30.6368, 40.7723, 69.8742



42.6876, 56.4952, 103.2625



17.2629, 14.0244, 65.4162



12.6243, 13.7719, 15.9304



17.4516, 23.1650, 42.0047



1.0971, 1.4861, 2.5483

Inverse Universe

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



37.3332, 19.1471, 48.7433



53.6759, 26.2344, 67.4166



39.2314, 36.7853, 6.7031



12.8683, 12.5988, 15.2466



21.8676, 10.6834, 27.6707



1.3414, 0.6533, 1.7871

Previews

White Background



This preview shows how the XYZ color 30.6355, 40.7708, 69.8732 looks on a white background.

Color Contrast Check

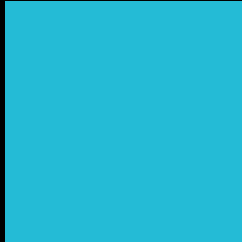
Large Text (above 18pt) WCAG AA × Fail

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 30.6355, 40.7708, 69.8732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

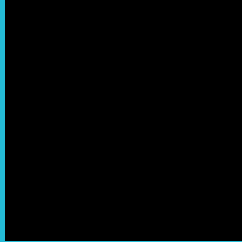
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6355, 40.7708, 69.8732

Background



This preview shows how black text looks on a background with the XYZ color 30.6355, 40.7708, 69.8732.



This preview shows how white text looks on a background with the XYZ color 30.6355, 40.7708,

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

30.6355, 40.7708, 69.8732

Protanopia

39.6495, 40.0088, 60.8911

Deuteranopia

41.1021, 40.2255, 72.6158



Tritanopia

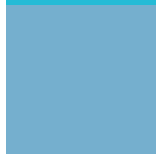
29.3852, 40.9035, 63.4732

Trichromacy



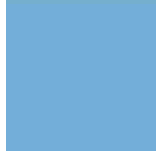
Original Color

30.6355, 40.7708, 69.8732



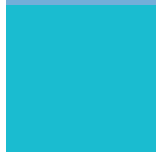
Protanomaly

33.8067, 38.8981, 64.1188



Deuteranomaly

34.7307, 38.9267, 71.3287



Tritanomaly

29.7944, 40.7401, 65.9678

Monochromacy



Original Color

30.6355, 40.7708, 69.8732



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.6522, 31.0471, 42.6709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6355, 40.7708, 69.8732 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(36, 187, 214)` looks like.

```
.text, #text, p{  
    color:rgb(36, 187, 214)  
}
```

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(36, 187, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 187, 214) }
```

Border

The CSS property to change the border of an element to XYZ 30.6355, 40.7708, 69.8732 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(36, 187, 214) }
```


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

```
.border{ border-color:rgb(36, 187, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 187, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 187, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 187, 214);  
box-shadow:4px 4px 4px 4px rgb(36, 187,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6355, 40.7708, 69.8732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 187, 214) }
```

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

```
.background{ background-color: rgb(36, 187,  
214) }
```

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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