

Converting Colors

XYZ(28.2058, 39.1176, 61.4005)

Have a look what the booklet for
XYZ(28.2058, 39.1176, 61.4005)
contains.

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Color

**XYZ(28.1601, 39.0534,
61.3122)**

Conversions

Conversions Part 1

Format	Color
Hex	13B9C9
RGB	19, 185, 201
RGB Percent	7%, 73%, 79%
CMY	0.9254, 0.2745, 0.2118
CMYK	0.91, 0.08, 0.00, 0.21
HSL	185°, 83%, 43%
HSV	185°, 91%, 79%
XYZ	28.1601, 39.0534, 61.3122
YIQ	137.1900, -104.0720, -30.2160

Conversions

Conversions Part 2

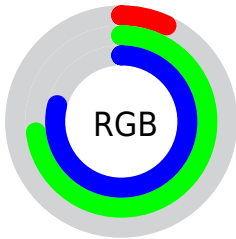
Format	Color
RYB	19, 106, 201
Decimal	1292745
CIELab	68.79, -32.15, -18.97
CIELCh	69, 37.326, 210.538
Yxy	39.0534, 0.2191, 0.3039
Android (android.graphics.Color)	4279482825 (0xFF13B9C9)
YUV	137.1900, 31.4583, -103.6526
Hunter-Lab	62.4927, -28.9276, -14.4251

Details

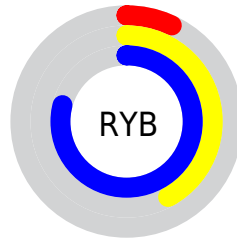
The XYZ color **28.1601, 39.0534, 61.3122** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **24.8073, 13.6683, 1.9481**, and the grayscale version is **23.7661, 25.0038, 27.2291**.

A 20% lighter version of the original color is **55.8655, 73.8501, 105.9178**, and **13.3828, 18.3392, 30.4382** is the 20% darker color. If you saturate the color by 10%, you get **27.5444, 38.2203, 61.1846**, and if you desaturate by 10%, it is **29.1058, 40.0939, 61.4639**.

Distribution



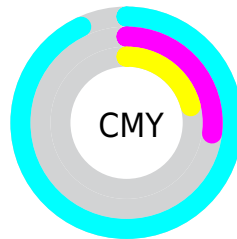
- Red (7%)
- Green (73%)
- Blue (79%)



- Red (7%)
- Yellow (42%)
- Blue (79%)



- Cyan (91%)
- Magenta (8%)
- Yellow (0%)
- Black (21%)



- Cyan (93%)
- Magenta (27%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1601, 39.0534, 61.3122 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 28.1601, 39.0534, 61.3122 by changing the saturation by 10% instead.

■ 28.1601, 39.0534,
61.3122

■ 28.1601, 39.0534,
61.3122

285.2974,
342.1175, 447.3560

■ 18.5875, 26.8013,
44.0450

■ 56.1468, 73.7199,
108.2928

■ 11.4748, 17.4240,
30.3684

■ 75.2916, 96.9030,
138.8432

■ 6.4568, 10.5373,
19.8640

■ 98.3578, 124.4987,
174.6585

■ 3.1680, 5.7566,
12.1131

■ 125.7107,
156.8911, 216.1571

■ 1.2432, 2.6977,
6.6973

■ 157.7158,
194.4648, 263.7576

■ 0.1401, 0.9760,
3.1980

194.7384,

■ 0.0000, 0.0000,

237.6042, 317.8786

1.1966

237.1438,
286.6936, 378.9385

■ 0.0000, 0.0000,
0.0000

■ 28.1601, 39.0534,
61.3122

■ 28.1601, 39.0534,
61.3122

■ 27.5444, 38.2203,
61.1846

■ 29.1058, 40.0939,
61.4639

■ 30.4580, 41.3501,
61.6351

■ 32.2738, 42.8522,
61.8294

■ 34.6004, 44.6244,
62.0488

■ 37.4789, 46.6881,
62.2954

■ 40.9463, 49.0623,
62.5709

■ 45.0365, 51.7645,
62.8770

■ 49.7806, 54.8109,
63.2149

■ 55.2078, 58.2164,
63.5862

Harmonies

Analogous

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



26.8686, 39.0534, 42.8292



28.1601, 39.0534, 61.3122



31.8017, 39.0534, 77.6532

Triad

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



28.1601, 39.0534, 61.3122



47.9279, 39.0534, 60.6383



37.0124, 39.0534, 17.5606

Complementary

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



28.1601, 39.0534, 61.3122



24.8073, 13.6683, 1.9481

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.



42.9984, 39.0534, 20.0007



28.1601, 39.0534, 61.3122



49.6924, 39.0534, 42.2173

Square

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



28.1601, 39.0534, 61.3122



43.2029, 39.0534, 77.1970



47.8013, 39.0534, 28.0269



31.6351, 39.0534, 20.1863

Rectangle

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



28.1601, 39.0534, 61.3122



35.2807, 39.0534, 83.4212



47.8013, 39.0534, 28.0269



39.0202, 39.0534, 17.8067

Sweetspot

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



28.1613, 39.0548, 61.3132



72.1954, 85.3965, 107.2858



21.4475, 42.0292, 8.5099



14.9627, 17.9507, 22.9262



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.



28.1613, 39.0548, 61.3132



47.0705, 65.2610, 104.7235



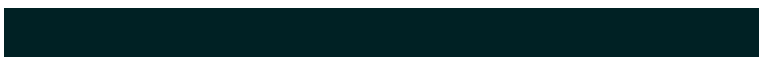
14.8905, 12.5131, 56.8895



10.8639, 11.9019, 13.6422



17.3528, 24.0996, 38.4815



0.8456, 1.1891, 1.8301

Inverse Universe

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



33.0783, 16.3872, 47.3200



55.8882, 27.1193, 79.0664



31.5617, 27.1772, 4.1995



11.0413, 10.7999, 13.2009



20.5582, 9.9729, 29.2133



0.9855, 0.4771, 1.4470

Previews

White Background



This preview shows how the XYZ color 28.1601, 39.0534, 61.3122 looks on a white background.

Color Contrast Check

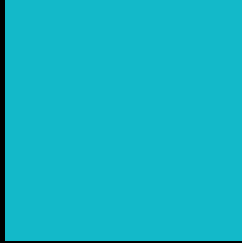
Large Text (above 18pt) WCAG AA × Fail

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 28.1601, 39.0534, 61.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

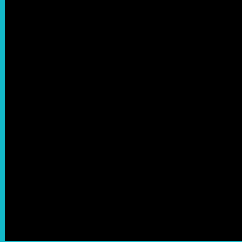
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

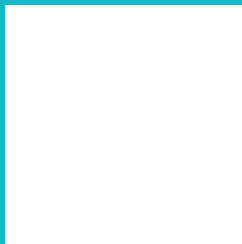
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1601, 39.0534, 61.3122

Background



This preview shows how black text looks on a background with the XYZ color 28.1601, 39.0534, 61.3122.



This preview shows how white text looks on a background with the XYZ color 28.1601, 39.0534,

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

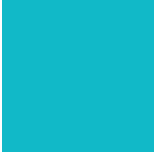
28.1601, 39.0534, 61.3122

Protanopia

37.6365, 38.3276, 52.9913

Deuteranopia

39.3420, 38.4371, 63.7381



Tritanopia

28.0055, 38.9872, 60.6928

Trichromacy



Original Color

28.1601, 39.0534, 61.3122



Protanomaly

30.9337, 36.7348, 55.9122



Deuteranomaly

32.0175, 36.8650, 62.5549



Tritanomaly

28.0237, 38.9967, 60.6937

Monochromacy



Original Color

28.1601, 39.0534, 61.3122



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.5169, 28.0290, 37.4811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1601, 39.0534, 61.3122 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(19, 185, 201)` looks like.

```
.text, #text, p{  
    color:rgb(19, 185, 201)  
}
```

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(19, 185, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 185, 201) }
```

Border

The CSS property to change the border of an element to XYZ 28.1601, 39.0534, 61.3122 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(19, 185, 201) }
```


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

```
.border{ border-color:rgb(19, 185, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 185, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 185, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 185, 201);  
box-shadow:4px 4px 4px 4px rgb(19, 185,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1601, 39.0534, 61.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 185, 201) }
```

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

```
.background{ background-color: rgb(19, 185,  
201) }
```

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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