

Converting Colors

XYZ(29.8314, 41.9398, 61.1735)

Have a look what the booklet for
XYZ(29.8314, 41.9398, 61.1735)
contains.

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Color

**XYZ(29.7493, 41.7891,
61.1417)**

Conversions

Conversions Part 1

Format	Color
Hex	23BFC8
RGB	35, 191, 200
RGB Percent	14%, 75%, 78%
CMY	0.8627, 0.2510, 0.2157
CMYK	0.82, 0.04, 0.00, 0.22
HSL	183°, 70%, 46%
HSV	183°, 82%, 78%
XYZ	29.7493, 41.7891, 61.1417
YIQ	145.3820, -95.8650, -30.2730

Conversions

Conversions Part 2

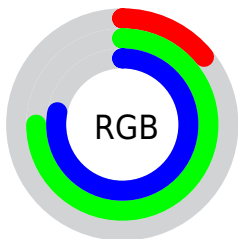
Format	Color
R_{YB}	35, 115, 200
Decimal	2342856
CIE _{Lab}	70.73, -34.33, -15.48
CIE _{LCh}	71, 37.661, 204.263
Yxy	41.7891, 0.2242, 0.3150
Android (android.graphics.Color)	4280532936 (0xFF23BFC8)
YUV	145.3820, 26.9267, -96.8050
Hunter-Lab	64.6445, -30.9824, -10.8262

Details

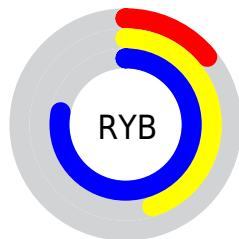
The XYZ color **29.7493, 41.7891, 61.1417** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **25.0246, 14.2035, 3.0140**, and the grayscale version is **26.9933, 28.3991, 30.9266**.

A 20% lighter version of the original color is **58.4275, 77.8655, 106.5578**, and **14.1340, 19.9666, 30.3031** is the 20% darker color. If you saturate the color by 10%, you get **29.0171, 41.0607, 61.0405**, and if you desaturate by 10%, it is **30.8722, 42.7233, 61.2636**.

Distribution



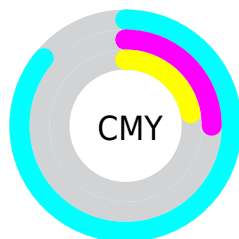
- Red (14%)
- Green (75%)
- Blue (78%)



- Red (14%)
- Yellow (45%)
- Blue (78%)



- Cyan (82%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (86%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7493, 41.7891, 61.1417 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 29.7493, 41.7891, 61.1417 by changing the saturation by 10% instead.

■ 29.7493, 41.7891,
61.1417

■ 29.7493, 41.7891,
61.1417

292.6650,
353.6079, 446.7143

■ 19.7955, 28.9362,
43.9082

■ 58.6548, 77.8803,
108.0436

■ 12.3539, 19.0326,
30.2617

■ 78.3373, 101.8875,
138.5491

■ 7.0591, 11.6938,
19.7836

■ 101.9933,
130.3814, 174.3158

■ 3.5457, 6.5355,
12.0553

■ 129.9883,
163.7466, 215.7620

■ 1.4485, 3.1734,
6.6584

■ 162.6876,
202.3675, 263.3065

■ 0.2904, 1.2229,
3.1742

200.4566,

■ 0.0000, 0.0803,

246.6284, 317.3676

1.1843

243.6606,
296.9138, 378.3641

■ 0.0000, 0.0000,
0.0000

■ 29.7493, 41.7891,
61.1417

■ 29.7493, 41.7891,
61.1417

■ 29.0171, 41.0607,
61.0405

■ 30.8722, 42.7233,
61.2636

■ 28.6431, 40.6054,
60.9723

■ 32.4392, 43.8883,
61.4059

■ 34.4997, 45.3102,
61.5718

■ 37.0952, 47.0107,
61.7632

■ 40.2631, 49.0089,
61.9819

■ 44.0373, 51.3222,
62.2295

■ 48.4490, 53.9669,
62.5075

■ 53.5274, 56.9580,
62.8171

■ 59.2998, 60.3095,
63.1598

Harmonies

Analogous

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



28.9320, 41.7891, 42.1501



29.7493, 41.7891, 61.1417



33.1121, 41.7891, 79.5025

Triad

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



29.7493, 41.7891, 61.1417



50.2822, 41.7891, 68.6810



40.9315, 41.7891, 19.1493

Complementary

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



29.7493, 41.7891, 61.1417



25.0246, 14.2035, 3.0140

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.



47.1516, 41.7891, 22.9107



29.7493, 41.7891, 61.1417



52.9013, 41.7891, 49.0255

Square

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



29.7493, 41.7891, 61.1417



44.8594, 41.7891, 84.5934



51.6997, 41.7891, 32.7852



34.9877, 41.7891, 20.8035

Rectangle

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



29.7493, 41.7891, 61.1417



36.5514, 41.7891, 87.2640



51.6997, 41.7891, 32.7852



43.0651, 41.7891, 19.7832

Sweetspot

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



29.7506, 41.7906, 61.1427



74.2596, 87.6504, 107.6121



21.7892, 41.8431, 9.2393



15.3934, 18.4538, 23.0006



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.



29.7506, 41.7906, 61.1427



49.6057, 70.2840, 105.5594



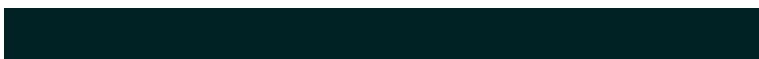
16.6156, 15.5206, 56.7644



10.8953, 11.9646, 13.6526



18.2338, 25.8615, 38.7751



0.8789, 1.2555, 1.8412

Inverse Universe

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



33.8256, 17.2443, 50.8375



57.1794, 27.6801, 85.7293



31.5533, 27.2609, 5.1903



11.0572, 10.8063, 13.2843



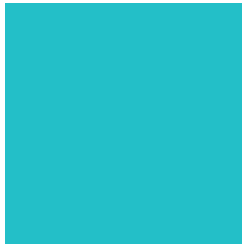
21.0029, 10.1507, 31.5549



1.0023, 0.4838, 1.5353

Previews

White Background



This preview shows how the XYZ color 29.7493, 41.7891, 61.1417 looks on a white background.

Color Contrast Check

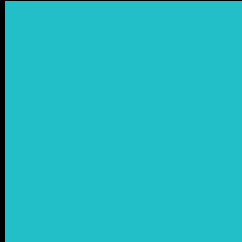
Large Text (above 18pt) WCAG AA × Fail

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 29.7493, 41.7891, 61.1417 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

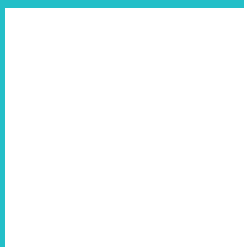
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7493, 41.7891, 61.1417

Background



This preview shows how black text looks on a background with the XYZ color 29.7493, 41.7891, 61.1417.

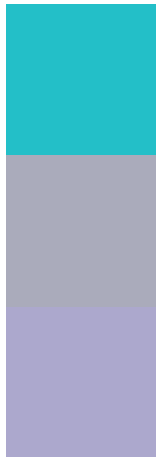


This preview shows how white text looks on a background with the XYZ color 29.7493, 41.7891,

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

29.7493, 41.7891, 61.1417

Protanopia

40.1101, 41.2597, 52.8636

Deuteranopia

42.0353, 41.1837, 63.4914



Tritanopia

30.4685, 41.7546, 64.8461

Trichromacy



Original Color

29.7493, 41.7891, 61.1417



Protanomaly

33.3200, 39.7115, 55.7781



Deuteranomaly

34.3309, 39.5000, 62.3148



Tritanomaly

30.1492, 41.6179, 63.5708

Monochromacy



Original Color

29.7493, 41.7891, 61.1417



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.5376, 31.5605, 40.3431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7493, 41.7891, 61.1417 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(35, 191, 200)` looks like.

```
.text, #text, p{  
    color:rgb(35, 191, 200)  
}
```

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(35, 191, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 191, 200) }
```

Border

The CSS property to change the border of an element to XYZ 29.7493, 41.7891, 61.1417 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(35, 191, 200) }
```


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

```
.border{ border-color:rgb(35, 191, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 191, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 191, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 191, 200);  
box-shadow:4px 4px 4px 4px rgb(35, 191,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7493, 41.7891, 61.1417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 191, 200) }
```

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

```
.background{ background-color: rgb(35, 191,  
200) }
```

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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