

Converting Colors

XYZ(16.5349, 23.0837, 31.7491)

Have a look what the booklet for
XYZ(16.5349, 23.0837, 31.7491)
contains.

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Color

**XYZ(16.5790, 23.1881,
31.6189)**

Conversions

Conversions Part 1

Format	Color
Hex	2A9294
RGB	42, 146, 148
RGB Percent	16%, 57%, 58%
CMY	0.8353, 0.4274, 0.4196
CMYK	0.72, 0.01, 0.00, 0.42
HSL	181°, 56%, 37%
HSV	181°, 72%, 58%
XYZ	16.5790, 23.1881, 31.6189
YIQ	115.1320, -62.6260, -21.4260

Conversions

Conversions Part 2

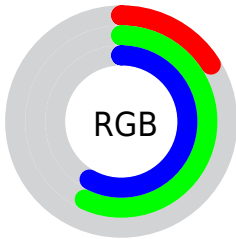
Format	Color
RYB	42, 94, 148
Decimal	2790036
CIELab	55.27, -27.81, -9.57
CIElCh	55, 29.412, 198.989
Yxy	23.1881, 0.2322, 0.3248
Android (android.graphics.Color)	4280980116 (0xFF2A9294)
YUV	115.1320, 16.2039, -64.1368
Hunter-Lab	48.1540, -22.8136, -5.2232




Details

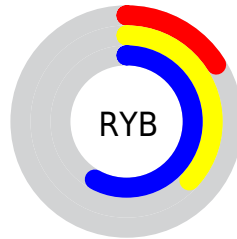
The XYZ color **16.5790, 23.1881, 31.6189** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.5318, 8.2650, 3.0732**, and the grayscale version is **16.3026, 17.1516, 18.6780**.




A 20% lighter version of the original color is **37.0239, 48.5159, 63.2903**, and **6.2499, 9.0475, 12.7262** is the 20% darker color. If you saturate the color by 10%, you get **16.0391, 22.8465, 31.5818**, and if you desaturate by 10%, it is **17.3440, 23.6469, 31.6676**.

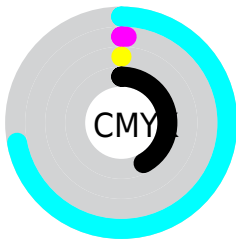
Distribution







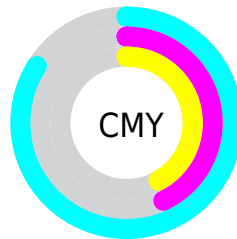
-  Red (16%)
-  Green (57%)
-  Blue (58%)






-  Red (16%)
-  Yellow (37%)
-  Blue (58%)



-  Cyan (72%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (42%)



-  Cyan (84%)
-  Magenta (43%)
-  Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5790, 23.1881, 31.6189 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 16.5790, 23.1881, 31.6189 by changing the saturation by 10% instead.

■ 16.5790, 23.1881,
31.6189

■ 16.5790, 23.1881,
31.6189

■ 225.9383,
268.6896, 323.8186

■ 10.0282, 14.7325,
20.8082

■ 37.1499, 48.7020,
63.3041

■ 5.4801, 8.6318,
12.7940

■ 51.9007, 66.5291,
85.0157

■ 2.5692, 4.5018,
7.1578

■ 70.1156, 88.2487,
111.1979

■ 0.9303, 1.9581,
3.4810

■ 92.1599, 114.2453,
142.2694

■ 0.0000, 0.5829,
1.3452

■ 118.3989,
144.9034, 178.6487

■ 0.0000, 0.0000,
0.0984

■ 149.1981,

■ 0.0000, 0.0000,

180.6071, 220.7543

0.0000

184.9228,
221.7411, 269.0048

■ 16.5790, 23.1881,
31.6189

■ 16.5790, 23.1881,
31.6189

■ 16.0391, 22.8465,
31.5818

■ 17.3440, 23.6469,
31.6676

■ 15.6961, 22.6060,
31.5535

■ 18.3541, 24.2318,
31.7272

■ 15.5029, 22.4532,
31.5342

■ 19.6295, 24.9535,
31.7993

■ 21.1876, 25.8211,
31.8847

■ 23.0444, 26.8430,
31.9840

■ 25.2149, 28.0266,
32.0981

■ 27.7127, 29.3792,
32.2275

■ 30.5509, 30.9074,
32.3729

■ 33.7419, 32.6175,
32.5348

Harmonies

Analogous

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



16.3911, 23.1881, 21.9409



16.5790, 23.1881, 31.6189



18.1409, 23.1881, 41.5491

Triad

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



16.5790, 23.1881, 31.6189



27.1701, 23.1881, 39.1119



23.2710, 23.1881, 11.3050

Complementary

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



16.5790, 23.1881, 31.6189



13.5318, 8.2650, 3.0732

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.



26.4603, 23.1881, 13.8891



16.5790, 23.1881, 31.6189



28.8561, 23.1881, 28.8715

Square

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



16.5790, 23.1881, 31.6189



24.1644, 23.1881, 46.5652



28.5841, 23.1881, 19.7959



20.0431, 23.1881, 11.6915

Rectangle

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



16.5790, 23.1881, 31.6189



19.8468, 23.1881, 46.2369



28.5841, 23.1881, 19.7959



24.3883, 23.1881, 11.8229

Sweetspot

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



16.5797, 23.1890, 31.6195



40.7306, 47.4010, 56.4372



11.9955, 21.8526, 5.9463



9.0995, 10.7119, 12.8728



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.5797, 23.1890, 31.6195



27.8925, 40.0325, 55.6915



10.2357, 10.5009, 29.5048



5.9548, 6.5437, 7.4189



13.2441, 19.1831, 26.9357



0.1645, 0.2396, 0.3305

Inverse Universe

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



18.2296, 10.0278, 28.1698



31.0287, 15.5196, 49.0211



16.8845, 14.9702, 4.1907



6.0306, 5.9073, 7.2675



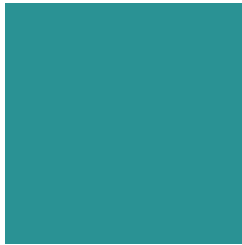
14.8121, 7.1299, 23.5554



0.1825, 0.0878, 0.2947

Previews

White Background



This preview shows how the XYZ color 16.5790, 23.1881, 31.6189 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5790, 23.1881, 31.6189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

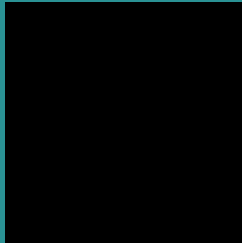
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.5790, 23.1881, 31.6189

Background



This preview shows how black text looks on a background with the XYZ color 16.5790, 23.1881, 31.6189.



This preview shows how white text looks on a background with the XYZ color 16.5790, 23.1881,

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

16.5790, 23.1881, 31.6189

Protanopia

22.2922, 23.0022, 27.6910

Deuteranopia

23.3783, 22.8562, 32.8853



Tritanopia

17.2984, 23.2554, 35.0295

Trichromacy



Original Color

16.5790, 23.1881, 31.6189

Protanomaly

18.8322, 22.2140, 28.8863

Deuteranomaly

19.6167, 22.3290, 32.5542

Tritanomaly

16.9574, 23.1086, 33.7036

Monochromacy



Original Color

16.5790, 23.1881, 31.6189

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.3161, 18.5287, 22.8478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5790, 23.1881, 31.6189 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(42, 146, 148)` looks like.

```
.text, #text, p{  
    color:rgb(42, 146, 148)  
}
```

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(42, 146, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 146, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.5790, 23.1881, 31.6189 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(42, 146, 148) }
```


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

```
.border{ border-color:rgb(42, 146, 148) }
```

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

Here you see how a box with a 4 pixel rgb(42, 146, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 146, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 146, 148);  
box-shadow:4px 4px 4px 4px rgb(42, 146,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5790, 23.1881, 31.6189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 146, 148) }
```

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

```
.background{ background-color: rgb(42, 146,  
148) }
```

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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