

Converting Colors

XYZ(14.3531, 15.7585, 37.0451)

Have a look what the booklet for
XYZ(14.3531, 15.7585, 37.0451)
contains.

XYZ(14.3171, 15.7180, 36.9296)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.3171, 15.7180,
36.9296)**

Conversions

Conversions Part 1

Format	Color
Hex	3773A3
RGB	55, 115, 163
RGB Percent	22%, 45%, 64%
CMY	0.7843, 0.5490, 0.3608
CMYK	0.66, 0.29, 0.00, 0.36
HSL	207°, 50%, 43%
HSV	207°, 66%, 64%
XYZ	14.3171, 15.7180, 36.9296
YIQ	102.5320, -51.1680, 2.2080

Conversions

Conversions Part 2

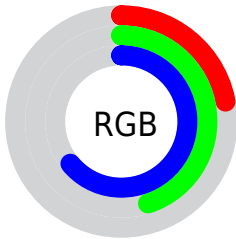
Format	Color
RYB	55, 94, 163
Decimal	3634083
CIELab	46.60, -3.80, -31.54
CIElCh	47, 31.770, 263.130
Yxy	15.7180, 0.2138, 0.2347
Android (android.graphics.Color)	4281824163 (0xFF3773A3)
YUV	102.5320, 29.8107, -41.6856
Hunter-Lab	39.6459, -4.9197, -27.4756

Details

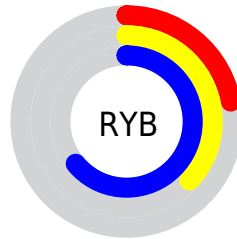
The XYZ color **14.3171, 15.7180, 36.9296** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.6448, 17.7639, 5.9558**, and the grayscale version is **12.7031, 13.3646, 14.5541**.

A 20% lighter version of the original color is **33.2837, 36.2101, 71.5647**, and **4.8764, 5.1620, 15.7783** is the 20% darker color. If you saturate the color by 10%, you get **12.7735, 13.7439, 36.6302**, and if you desaturate by 10%, it is **16.2217, 17.9751, 37.2652**.

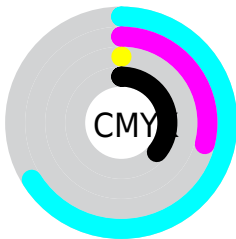
Distribution



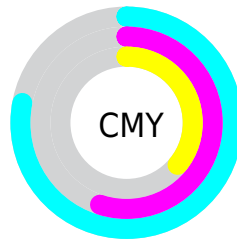
- Red (22%)
- Green (45%)
- Blue (64%)



- Red (22%)
- Yellow (37%)
- Blue (64%)



- Cyan (66%)
- Magenta (29%)
- Yellow (0%)
- Black (36%)



- Cyan (78%)
- Magenta (55%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3171, 15.7180, 36.9296 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 14.3171, 15.7180, 36.9296 by changing the saturation by 10% instead.

■ 14.3171, 15.7180,
36.9296

■ 14.3171, 15.7180,
36.9296

212.6661,
227.6719, 348.1651

■ 8.4247, 9.3248,
24.8576

■ 33.2322, 36.1079,
71.6496

■ 4.4220, 4.9537,
15.7530

■ 46.9856, 50.8735,
95.1347

■ 1.9435, 2.2201,
9.1971

■ 64.0902, 69.1986,
123.2613

■ 0.6019, 0.7309,
4.7714

■ 84.9111, 91.4678,
156.4479

■ 0.0000, 0.0000,
2.0574

■ 109.8138,
118.0652, 195.1131

■ 0.0000, 0.0000,
0.5902

139.1636,

■ 0.0000, 0.0000,

149.3755, 239.6753

0.0000

173.3259,
185.7829, 290.5531

■ 14.3171, 15.7180,
36.9296

■ 14.3171, 15.7180,
36.9296

■ 12.7735, 13.7439,
36.6302

■ 16.2217, 17.9751,
37.2652

■ 11.5572, 12.0325,
36.3640

■ 18.5133, 20.5300,
37.6376

■ 10.6252, 10.5595,
36.1288

■ 21.2170, 23.3980,
38.0486

■ 10.3140, 10.0505,
36.0470

■ 24.3555, 26.5927,
38.4999

■ 27.9495, 30.1267,
38.9926

■ 32.0183, 34.0120,
39.5281

■ 36.5802, 38.2598,
40.1075

■ 41.6523, 42.8806,
40.7321

■ 47.2510, 47.8848,
41.4029

Harmonies

Analogous

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



11.9918, 15.7180, 32.2742



14.3171, 15.7180, 36.9296



17.1096, 15.7180, 35.1130

Triad

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



14.3171, 15.7180, 36.9296



20.3365, 15.7180, 11.8379



11.1032, 15.7180, 9.5539

Complementary

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



14.3171, 15.7180, 36.9296



20.6448, 17.7639, 5.9558

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.



12.9611, 15.7180, 6.6391



14.3171, 15.7180, 36.9296



18.3345, 15.7180, 7.6478

Square

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



14.3171, 15.7180, 36.9296



20.8146, 15.7180, 18.9864



15.5797, 15.7180, 6.0679



10.2891, 15.7180, 15.3693

Rectangle

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



14.3171, 15.7180, 36.9296



18.8451, 15.7180, 30.6822



15.5797, 15.7180, 6.0679



11.6146, 15.7180, 8.2847

Sweetspot

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



14.3177, 15.7185, 36.9300



47.3042, 51.2738, 69.4597



17.0617, 27.9624, 17.0174



10.2398, 11.1372, 15.5475



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



14.3177, 15.7185, 36.9300



21.6678, 22.9547, 65.3448



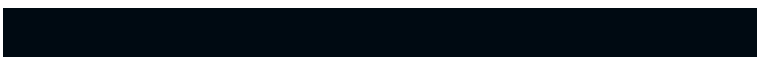
9.9206, 6.9244, 35.4643



7.0114, 7.4818, 8.9777



8.0616, 7.9026, 28.0302



0.2156, 0.2585, 0.6044

Inverse Universe

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



19.5654, 11.7573, 17.4583



32.3623, 17.4133, 25.0952



27.6492, 31.7727, 8.2906



7.2307, 7.1487, 8.2014



13.2146, 6.6419, 8.3207



0.3010, 0.1489, 0.2976

Previews

White Background



This preview shows how the XYZ color 14.3171, 15.7180, 36.9296 looks on a white 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

Black Background



This preview shows how the XYZ color 14.3171, 15.7180, 36.9296 looks on a black 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

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

XYZ 14.3171, 15.7180, 36.9296

Background



This preview shows how black text looks on a background with the XYZ color 14.3171, 15.7180, 36.9296.

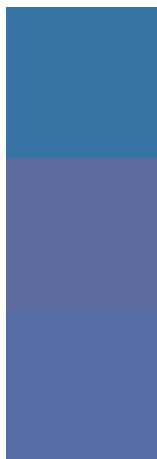


This preview shows how white text looks on a background with the XYZ color 14.3171, 15.7180,

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

14.3171, 15.7180, 36.9296

Protanopia

16.0645, 15.5391, 34.0510

Deuteranopia

15.9158, 15.5489, 37.2843



Tritanopia

11.6617, 15.6885, 23.8863

Trichromacy



Original Color

14.3171, 15.7180, 36.9296

Protanomaly

15.2507, 15.5776, 35.0039

Deuteranomaly

15.2093, 15.5051, 37.3131

Tritanomaly

12.5510, 15.6904, 28.3536

Monochromacy



Original Color

14.3171, 15.7180, 36.9296

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7971, 13.9745, 21.4249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3171, 15.7180, 36.9296 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(55, 115, 163)` looks like.

```
.text, #text, p{  
    color:rgb(55, 115, 163)  
}
```

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(55, 115, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 115, 163) }
```

Border

The CSS property to change the border of an element to XYZ 14.3171, 15.7180, 36.9296 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(55, 115, 163) }
```


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

```
.border{ border-color:rgb(55, 115, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 115, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 115, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 115, 163);  
box-shadow:4px 4px 4px 4px rgb(55, 115,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3171, 15.7180, 36.9296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 115, 163) }
```

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

```
.background{ background-color: rgb(55, 115,  
163) }
```

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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