

Converting Colors

XYZ(19.2957, 19.1477, 37.4232)

Have a look what the booklet for
XYZ(19.2957, 19.1477, 37.4232)
contains.

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Color

**XYZ(19.2712, 19.1415,
37.3293)**

Conversions

Conversions Part 1

Format	Color
Hex	6A78A3
RGB	106, 120, 163
RGB Percent	42%, 47%, 64%
CMY	0.5843, 0.5294, 0.3608
CMYK	0.35, 0.26, 0.00, 0.36
HSL	225°, 24%, 53%
HSV	225°, 35%, 64%
XYZ	19.2712, 19.1415, 37.3293
YIQ	120.7160, -22.1470, 10.4050

Conversions

Conversions Part 2

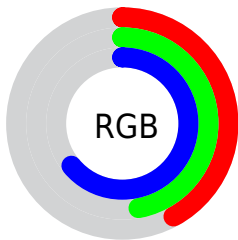
Format	Color
R_{YB}	106, 117, 163
Decimal	6977699
CIE Lab	50.85, 5.58, -24.72
CIE LCh	51, 25.338, 282.725
Yxy	19.1415, 0.2544, 0.2527
Android (android.graphics.Color)	4285167779 (0xFF6A78A3)
YUV	120.7160, 20.8460, -12.9059
Hunter-Lab	43.7510, 2.0604, -19.9618

Details

The XYZ color **19.2712, 19.1415, 37.3293** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.4536, 30.3223, 17.9895**, and the grayscale version is **18.0230, 18.9616, 20.6492**.

A 20% lighter version of the original color is **41.7055, 41.9379, 72.2264**, and **6.8175, 6.6232, 15.9580** is the 20% darker color. If you saturate the color by 10%, you get **16.1301, 15.4664, 36.7858**, and if you desaturate by 10%, it is **22.9717, 23.3878, 37.9542**.

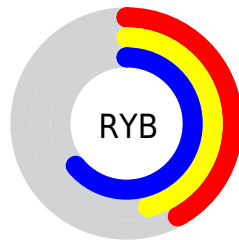
Distribution



Red (42%)

Green (47%)

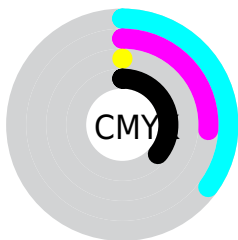
Blue (64%)



Red (42%)

Yellow (46%)

Blue (64%)

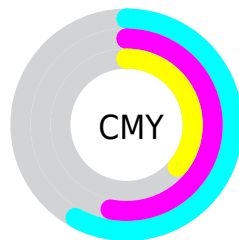


Cyan (35%)

Magenta (26%)

Yellow (0%)

Black (36%)



Cyan (58%)

Magenta (53%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2712, 19.1415, 37.3293 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 19.2712, 19.1415, 37.3293 by changing the saturation by 10% instead.

■ 19.2712, 19.1415,
37.3293

■ 19.2712, 19.1415,
37.3293

240.8513,
247.2288, 349.9455

■ 11.9716, 11.7726,
25.1648

■ 41.7052, 41.9731,
72.2709

■ 6.7964, 6.5890,
15.9797

■ 57.5703, 58.2045,
95.8851

■ 3.3803, 3.2064,
9.3556

■ 77.0212, 78.1589,
124.1530

■ 1.3579, 1.2404,
4.8739

■ 100.4234,
102.2206, 157.4930

■ 0.2259, 0.0944,
2.1160

128.1421,
130.7740, 196.3237

■ 0.0000, 0.0000,
0.6253

160.5428,

■ 0.0000, 0.0000,

164.2036, 241.0637

0.0000

197.9908,
202.8938, 292.1314

■ 19.2712, 19.1415,
37.3293

■ 19.2712, 19.1415,
37.3293

■ 16.1301, 15.4664,
36.7858

■ 22.9717, 23.3878,
37.9542

■ 13.5184, 12.3350,
36.3191

■ 27.2558, 28.2265,
38.6624

■ 11.4060, 9.7211,
35.9259

■ 32.1485, 33.6806,
39.4573

■ 9.7591, 7.5950,
35.6023

■ 37.6727, 39.7711,
40.3417

■ 8.5391, 5.9236,
35.3440

■ 43.8502, 46.5178,
41.3183

■ 7.6994, 4.6688,
35.1460

■ 50.7018, 53.9400,
42.3899

■ 7.3710, 4.1644,
35.0660

■ 58.2472, 62.0559,
43.5587

■ 66.5054, 70.8831,
44.8273

■ 75.4946, 80.4386,
46.1979

Harmonies

Analogous

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



16.8052, 19.1415, 36.9144



19.2712, 19.1415, 37.3293



21.6478, 19.1415, 32.6573

Triad

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



19.2712, 19.1415, 37.3293



21.9517, 19.1415, 12.8380



13.9847, 19.1415, 17.0209

Complementary

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



19.2712, 19.1415, 37.3293



28.4536, 30.3223, 17.9895

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.



15.1276, 19.1415, 12.2875



19.2712, 19.1415, 37.3293



19.6561, 19.1415, 10.2793

Square

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



19.2712, 19.1415, 37.3293



23.2878, 19.1415, 17.9584



17.1566, 19.1415, 10.1041



13.9021, 19.1415, 24.0185

Rectangle

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



19.2712, 19.1415, 37.3293



22.8012, 19.1415, 27.7963



17.1566, 19.1415, 10.1041



14.2524, 19.1415, 15.1564

Sweetspot

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



19.2718, 19.1422, 37.3297



52.8647, 55.0828, 69.9019



24.4464, 31.4209, 33.1061



11.6129, 12.0808, 15.6573



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.



19.2718, 19.1422, 37.3297



30.0362, 29.0549, 66.0812



19.5459, 16.9641, 36.8949



6.8352, 7.1295, 8.9189



5.7597, 3.2989, 27.2630



0.1555, 0.1384, 0.5844

Inverse Universe

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



23.6490, 19.4513, 20.2781



39.1828, 30.0825, 30.3644



28.0480, 33.6015, 18.6438



7.1418, 7.1132, 7.7332



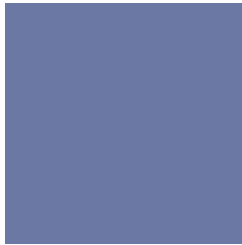
12.0527, 6.1771, 2.2023



0.2707, 0.1368, 0.1380

Previews

White Background



This preview shows how the XYZ color 19.2712, 19.1415, 37.3293 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 19.2712, 19.1415, 37.3293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

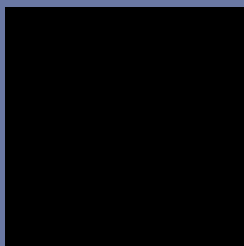
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

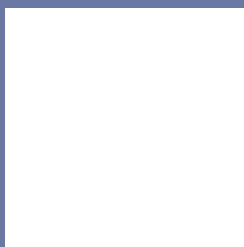
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2712, 19.1415, 37.3293

Background



This preview shows how black text looks on a background with the XYZ color 19.2712, 19.1415, 37.3293.



This preview shows how white text looks on a background with the XYZ color 19.2712, 19.1415,

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

19.2712, 19.1415, 37.3293

Protanopia

19.5144, 19.0892, 37.3064

Deuteranopia

19.5144, 19.0892, 37.3064



Tritanopia

16.9623, 19.1258, 25.7193

Trichromacy



Original Color

19.2712, 19.1415, 37.3293

Protanomaly

19.3920, 19.0261, 37.3007

Deuteranomaly

19.3920, 19.0261, 37.3007

Tritanomaly

17.6733, 19.0350, 29.5307

Monochromacy



Original Color

19.2712, 19.1415, 37.3293

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.4838, 19.1653, 26.0176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2712, 19.1415, 37.3293 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(106, 120, 163)` looks like.

```
.text, #text, p{  
    color:rgb(106, 120, 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(106, 120, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 120, 163) }
```

Border

The CSS property to change the border of an element to XYZ 19.2712, 19.1415, 37.3293 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(106, 120, 163) }
```


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

```
.border{ border-color:rgb(106, 120, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 120, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 120, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 120, 163); box-shadow:4px 4px 4px 4px rgb(106, 120, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2712, 19.1415, 37.3293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 120, 163) }
```

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

```
.background{ background-color: rgb(106,  
120, 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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