

Converting Colors

XYZ(23.1575, 24.7825, 37.3451)

Have a look what the booklet for
XYZ(23.1575, 24.7825, 37.3451)
contains.

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Color

**XYZ(23.1293, 24.6721,
37.2614)**

Conversions

Conversions Part 1

Format	Color
Hex	778AA1
RGB	119, 138, 161
RGB Percent	47%, 54%, 63%
CMY	0.5333, 0.4588, 0.3686
CMYK	0.26, 0.14, 0.00, 0.37
HSL	213°, 18%, 55%
HSV	213°, 26%, 63%
XYZ	23.1293, 24.6721, 37.2614
YIQ	134.9410, -18.7070, 3.1250

Conversions

Conversions Part 2

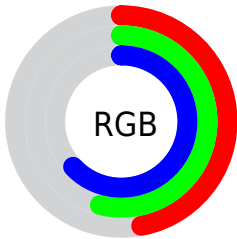
Format	Color
R_{YB}	119, 132, 161
Decimal	7834273
CIE _{Lab}	56.75, -1.44, -14.45
CIE _{LCh}	57, 14.525, 264.324
Yxy	24.6721, 0.2719, 0.2900
Android (android.graphics.Color)	4286024353 (0xFF778AA1)
YUV	134.9410, 12.8471, -13.9803
Hunter-Lab	49.6710, -3.8058, -9.7075

Details

The XYZ color **23.1293, 24.6721, 37.2614** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.7012, 28.2554, 21.4474**, and the grayscale version is **22.9667, 24.1628, 26.3133**.

A 20% lighter version of the original color is **48.0387, 50.9901, 72.2759**, and **8.7043, 9.3488, 15.8137** is the 20% darker color. If you saturate the color by 10%, you get **19.8903, 21.2007, 36.7625**, and if you desaturate by 10%, it is **26.8469, 28.5439, 37.8132**.

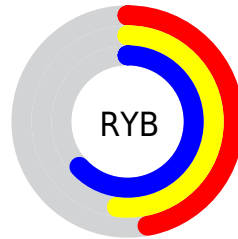
Distribution



Red (47%)

Green (54%)

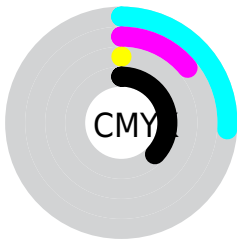
Blue (63%)



Red (47%)

Yellow (52%)

Blue (63%)

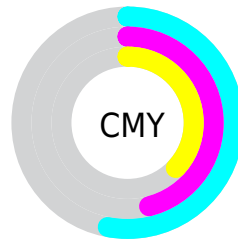


Cyan (26%)

Magenta (14%)

Yellow (0%)

Black (37%)



Cyan (53%)

Magenta (46%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1293, 24.6721, 37.2614 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 23.1293, 24.6721, 37.2614 by changing the saturation by 10% instead.

■ 23.1293, 24.6721,
37.2614

■ 23.1293, 24.6721,
37.2614

260.9114,
276.2010, 349.6436

■ 14.8102, 15.8329,
25.1126

■ 48.0706, 51.1248,
72.1655

■ 8.7718, 9.4060,
15.9412

■ 65.4236, 69.5071,
95.7578

■ 4.6485, 5.0069,
9.3286

■ 86.5186, 91.8392,
124.0016

■ 2.0752, 2.2513,
4.8564

111.7210,
118.5055, 157.3156

■ 0.6757, 0.7478,
2.1060

141.3961,
149.8905, 196.1183

■ 0.0000, 0.0000,
0.6193

175.9093,

■ 0.0000, 0.0000,

186.3785, 240.8281

0.0000

215.6259,
228.3538, 291.8637

■ 23.1293, 24.6721,
37.2614

■ 23.1293, 24.6721,
37.2614

■ 19.8903, 21.2007,
36.7625

■ 26.8469, 28.5439,
37.8132

■ 17.1062, 18.1121,
36.3131

■ 31.0606, 32.8267,
38.4178

■ 14.7549, 15.3917,
35.9119

■ 35.7900, 37.5347,
39.0773

■ 12.8111, 13.0226,
35.5571

■ 41.0526, 42.6801,
39.7930

■ 11.2467, 10.9863,
35.2465

■ 46.8653, 48.2748,
40.5666

■ 10.0296, 9.2619,
34.9778

■ 53.2441, 54.3302,
41.3992

■ 9.1163, 7.8226,
34.7481

■ 60.2044, 60.8571,
42.2922

■ 8.8050, 7.3170,
34.6669

■ 67.7610, 67.8662,
43.2468

■ 72.5763, 73.6396,
44.1074

Harmonies

Analogous

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



21.6006, 24.6721, 35.1801



23.1293, 24.6721, 37.2614



24.8181, 24.6721, 36.2964

Triad

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



23.1293, 24.6721, 37.2614



26.5465, 24.6721, 23.2002



20.9014, 24.6721, 21.7805

Complementary

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



23.1293, 24.6721, 37.2614



27.7012, 28.2554, 21.4474

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.



22.1333, 24.6721, 19.2257



23.1293, 24.6721, 37.2614



25.4023, 24.6721, 19.9736

Square

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



23.1293, 24.6721, 37.2614



26.8444, 24.6721, 27.7973



23.7738, 24.6721, 18.6062



20.3547, 24.6721, 25.9513

Rectangle

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



23.1293, 24.6721, 37.2614



25.8014, 24.6721, 34.1083



23.7738, 24.6721, 18.6062



21.2462, 24.6721, 20.7253

Sweetspot

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



23.1301, 24.6731, 37.2620



53.9939, 57.1442, 68.5707



25.1908, 31.3473, 30.0792



11.5978, 12.2859, 15.0038



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.1301, 24.6731, 37.2620



38.1311, 40.6822, 66.2293



20.8319, 19.7894, 36.4404



6.9520, 7.3630, 8.9579



7.0719, 5.9232, 27.7003



0.1956, 0.2185, 0.5977

Inverse Universe

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



25.8829, 22.6065, 27.0451



43.9398, 36.6416, 44.5990



30.4925, 34.2546, 22.4582



7.2008, 7.1368, 8.0436



12.7150, 6.4421, 5.6900



0.2909, 0.1449, 0.2445

Previews

White Background



This preview shows how the XYZ color 23.1293, 24.6721, 37.2614 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 23.1293, 24.6721, 37.2614 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

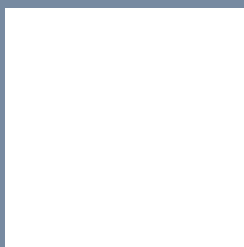
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1293, 24.6721, 37.2614

Background



This preview shows how black text looks on a background with the XYZ color 23.1293, 24.6721, 37.2614.



This preview shows how white text looks on a background with the XYZ color 23.1293, 24.6721,

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

23.1293, 24.6721, 37.2614

Protanopia

24.2821, 24.6564, 36.2803

Deuteranopia

25.0625, 24.6179, 37.6132



Tritanopia

22.3001, 24.7724, 32.8844

Trichromacy



Original Color

23.1293, 24.6721, 37.2614

Protanomaly

23.9017, 24.6584, 36.7575

Deuteranomaly

24.3915, 24.6824, 37.6610

Tritanomaly

22.6202, 24.6833, 34.5825

Monochromacy



Original Color

23.1293, 24.6721, 37.2614

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.8915, 24.2891, 29.8673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1293, 24.6721, 37.2614 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(119, 138, 161)` looks like.

```
.text, #text, p{  
    color:rgb(119, 138, 161)  
}
```

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(119, 138, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 138, 161) }
```

Border

The CSS property to change the border of an element to XYZ 23.1293, 24.6721, 37.2614 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(119, 138, 161) }
```


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

```
.border{ border-color:rgb(119, 138, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 138, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 138, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 138, 161);  
box-shadow:4px 4px 4px 4px rgb(119, 138,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1293, 24.6721, 37.2614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 138, 161) }
```

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

```
.background{ background-color: rgb(119,  
138, 161) }
```

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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