

Converting Colors

XYZ(22.5733, 23.9634, 37.1539)

Have a look what the booklet for
XYZ(22.5733, 23.9634, 37.1539)
contains.

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Color

**XYZ(22.5733, 23.9634,
37.1539)**

Conversions

Conversions Part 1

Format	Color
Hex	7588A1
RGB	117, 136, 161
RGB Percent	46%, 53%, 63%
CMY	0.5412, 0.4667, 0.3686
CMYK	0.27, 0.16, 0.00, 0.37
HSL	214°, 19%, 55%
HSV	214°, 27%, 63%
XYZ	22.5733, 23.9634, 37.1539
YIQ	133.1690, -19.3490, 3.7470

Conversions

Conversions Part 2

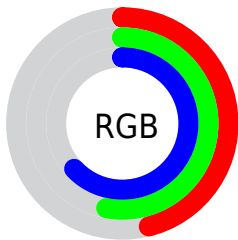
Format	Color
R_{YB}	117, 130, 161
Decimal	7702689
CIE _{Lab}	56.05, -0.93, -15.53
CIE _{LCh}	56, 15.560, 266.587
Yxy	23.9634, 0.2697, 0.2863
Android (android.graphics.Color)	4285892769 (0xFF7588A1)
YUV	133.1690, 13.7207, -14.1802
Hunter-Lab	48.9524, -3.3555, -10.7332

Details

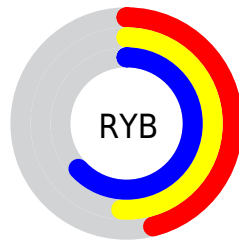
The XYZ color **22.5733, 23.9634, 37.1539** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.5822, 28.2077, 20.8212**, and the grayscale version is **22.3131, 23.4751, 25.5644**.

A 20% lighter version of the original color is **47.1698, 49.8991, 72.1111**, and **8.4028, 8.9530, 15.7532** is the 20% darker color. If you saturate the color by 10%, you get **19.3597, 20.4757, 36.6505**, and if you desaturate by 10%, it is **26.2705, 27.8648, 37.7125**.

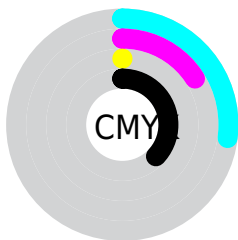
Distribution



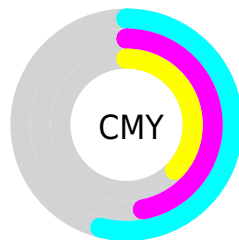
- Red (46%)
- Green (53%)
- Blue (63%)



- Red (46%)
- Yellow (51%)
- Blue (63%)



- Cyan (27%)
- Magenta (16%)
- Yellow (0%)
- Black (37%)



- Cyan (54%)
- Magenta (47%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5733, 23.9634, 37.1539 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 22.5733, 23.9634, 37.1539 by changing the saturation by 10% instead.

■ 22.5733, 23.9634,
37.1539

■ 22.5733, 23.9634,
37.1539

258.1022,
272.6354, 349.1651

■ 14.3977, 15.3065,
25.0300

■ 47.1636, 49.9705,
71.9984

■ 8.4813, 9.0348,
15.8801

■ 64.3089, 68.0894,
95.5560

■ 4.4588, 4.7639,
9.2859

■ 85.1750, 90.1311,
123.7619

■ 1.9648, 2.1094,
4.8288

110.1270,
116.4800, 157.0347

■ 0.6141, 0.6699,
2.0902

139.5304,
147.5205, 195.7929

■ 0.0000, 0.0000,
0.6099

173.7505,

■ 0.0000, 0.0000,

183.6370, 240.4550

0.0000

213.1526,
225.2138, 291.4395

■ 22.5733, 23.9634,
37.1539

■ 22.5733, 23.9634,
37.1539

■ 19.3597, 20.4757,
36.6505

■ 26.2705, 27.8648,
37.7125

■ 16.6055, 17.3834,
36.1988

■ 30.4693, 32.1914,
38.3263

■ 14.2881, 14.6713,
35.7974

■ 35.1895, 36.9577,
38.9975

■ 12.3815, 12.3215,
35.4444

■ 40.4492, 42.1768,
39.7277

■ 10.8569, 10.3146,
35.1373

■ 46.2656, 47.8609,
40.5183

■ 9.6810, 8.6286,
34.8739

■ 52.6551, 54.0221,
41.3707

■ 8.8024, 7.2319,
34.6506

■ 59.6332, 60.6717,
42.2864

■ 8.5938, 6.8946,
34.5965

■ 67.2152, 67.8208,
43.2667

■ 72.8300, 74.1471,
44.1919

Harmonies

Analogous

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



20.9428, 23.9634, 35.1616



22.5733, 23.9634, 37.1539



24.3433, 23.9634, 35.8785

Triad

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



22.5733, 23.9634, 37.1539



25.9771, 23.9634, 21.9454



20.0367, 23.9634, 21.0569

Complementary

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



22.5733, 23.9634, 37.1539



27.5822, 28.2077, 20.8212

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.



21.2784, 23.9634, 18.2697



22.5733, 23.9634, 37.1539



24.7142, 23.9634, 18.7339

Square

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



22.5733, 23.9634, 37.1539



26.3676, 23.9634, 26.6801



22.9809, 23.9634, 17.4777



19.5272, 23.9634, 25.5127

Rectangle

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



22.5733, 23.9634, 37.1539



25.3550, 23.9634, 33.4269



22.9809, 23.9634, 17.4777



20.3790, 23.9634, 19.9173

Sweetspot

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



22.5740, 23.9644, 37.1544



53.9143, 56.9851, 68.5442



24.9590, 31.2232, 30.2767



11.5775, 12.2453, 14.9970



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.



22.5740, 23.9644, 37.1544



36.7077, 38.9025, 65.9608



20.5314, 19.2848, 36.3589



6.9403, 7.3395, 8.9539



6.9026, 5.5845, 27.6439



0.1916, 0.2105, 0.5964

Inverse Universe

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



25.5038, 22.0779, 26.2108



42.9609, 35.2527, 42.5185



30.0699, 34.0504, 21.8178



7.1948, 7.1344, 8.0123



12.6296, 6.4079, 5.2399



0.2889, 0.1440, 0.2339

Previews

White Background



This preview shows how the XYZ color 22.5733, 23.9634, 37.1539 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 22.5733, 23.9634, 37.1539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

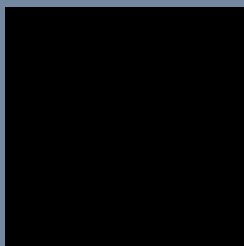
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

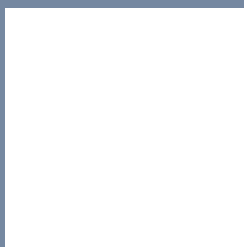
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5733, 23.9634, 37.1539

Background



This preview shows how black text looks on a background with the XYZ color 22.5733, 23.9634, 37.1539.



This preview shows how white text looks on a background with the XYZ color 22.5733, 23.9634,

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

22.5733, 23.9634, 37.1539

Protanopia

23.6988, 23.9454, 36.1737

Deuteranopia

24.3108, 23.8278, 37.5003



Tritanopia

21.4527, 23.9243, 31.9209

Trichromacy



Original Color

22.5733, 23.9634, 37.1539

Protanomaly

23.3277, 23.9482, 36.6507

Deuteranomaly

23.6615, 23.8957, 37.5477

Tritanomaly

21.7657, 23.8361, 33.5906

Monochromacy



Original Color

22.5733, 23.9634, 37.1539

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.2354, 23.5454, 29.3594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5733, 23.9634, 37.1539 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(117, 136, 161)` looks like.

```
.text, #text, p{  
    color:rgb(117, 136, 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(117, 136, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 136, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.5733, 23.9634, 37.1539 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(117, 136, 161) }
```


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

```
.border{ border-color:rgb(117, 136, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 136, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 136, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 136, 161);  
box-shadow:4px 4px 4px 4px rgb(117, 136,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5733, 23.9634, 37.1539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 136, 161) }
```

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

```
.background{ background-color: rgb(117,  
136, 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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