

Converting Colors

XYZ(23.8741, 27.9610, 33.0104)

Have a look what the booklet for
XYZ(23.8741, 27.9610, 33.0104)
contains.

XYZ(23.7475, 27.7966, 32.9678)	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(23.7475, 27.7966,
32.9678)**

Conversions

Conversions Part 1

Format	Color
Hex	759696
RGB	117, 150, 150
RGB Percent	46%, 59%, 59%
CMY	0.5412, 0.4118, 0.4118
CMYK	0.22, 0.00, 0.00, 0.41
HSL	180°, 14%, 52%
HSV	180°, 22%, 59%
XYZ	23.7475, 27.7966, 32.9678
YIQ	140.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

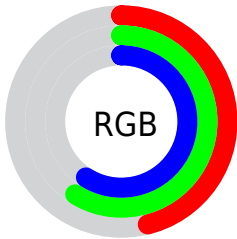
Format	Color
RYB	117, 134, 150
Decimal	7706262
CIELab	59.70, -11.40, -3.77
CIElCh	60, 12.004, 198.325
Yxy	27.7966, 0.2810, 0.3289
Android (android.graphics.Color)	4285896342 (0xFF759696)
YUV	140.1330, 4.8644, -20.2876
Hunter-Lab	52.7225, -11.8636, -0.1688

Details

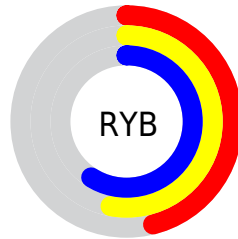
The XYZ color **23.7475, 27.7966, 32.9678** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.1509, 20.4918, 19.6187**, and the grayscale version is **24.9667, 26.2670, 28.6047**.

A 20% lighter version of the original color is **49.0695, 56.0914, 65.3672**, and **9.0979, 11.0535, 13.4584** is the 20% darker color. If you saturate the color by 10%, you get **21.8915, 26.8405, 32.8812**, and if you desaturate by 10%, it is **25.9281, 28.9214, 33.0708**.

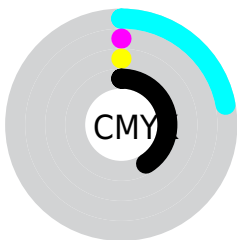
Distribution



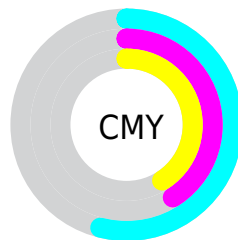
- Red (46%)
- Green (59%)
- Blue (59%)



- Red (46%)
- Yellow (53%)
- Blue (59%)



- Cyan (22%)
- Magenta (0%)
- Yellow (0%)
- Black (41%)



- Cyan (54%)
- Magenta (41%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7475, 27.7966, 32.9678 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 23.7475, 27.7966, 32.9678 by changing the saturation by 10% instead.

■ 23.7475, 27.7966,
32.9678

■ 23.7475, 27.7966,
32.9678

264.0057,
291.4937, 330.1322

■ 15.2701, 18.1724,
21.8309

■ 49.0755, 56.1595,
65.4407

■ 9.0967, 11.0738,
13.5355

■ 66.6569, 75.6671,
87.6137

■ 4.8620, 6.1165,
7.6633

■ 88.0037, 99.2378,
114.3025

■ 2.2004, 2.9161,
3.7956

113.4812,
127.2562, 145.9257

■ 0.7430, 1.0881,
1.5139

143.4548,
160.1065, 182.9016

■ 0.0000, 0.0000,
0.2282

178.2898,

■ 0.0000, 0.0000,

198.1733, 225.6490

0.0000

218.3516,
241.8409, 274.5864

■ 23.7475, 27.7966,
32.9678

■ 23.7475, 27.7966,
32.9678

■ 21.8915, 26.8405,
32.8812

■ 25.9281, 28.9214,
33.0708

■ 20.3424, 26.0419,
32.8083

■ 28.4452, 30.2190,
33.1890

■ 19.0843, 25.3934,
32.7490

■ 31.3130, 31.6975,
33.3236

■ 18.0990, 24.8855,
32.7025

■ 34.5444, 33.3633,
33.4752

■ 17.3664, 24.5078,
32.6679

■ 38.1514, 35.2228,
33.6444

■ 16.8635, 24.2485,
32.6440

■ 42.1455, 37.2818,
33.8317

■ 16.5630, 24.0937,
32.6295

■ 46.5379, 39.5461,
34.0376

■ 16.4114, 24.0155,
32.6221

■ 51.3390, 42.0212,
34.2627

■ 56.5591, 44.7123,
34.5073

Harmonies

Analogous

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



23.6661, 27.7966, 28.6072



23.7475, 27.7966, 32.9678



24.5282, 27.7966, 36.9412

Triad

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



23.7475, 27.7966, 32.9678



28.6580, 27.7966, 36.1645



27.0143, 27.7966, 22.8025

Complementary

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



23.7475, 27.7966, 32.9678



22.1509, 20.4918, 19.6187

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.



28.4063, 27.7966, 24.4473



23.7475, 27.7966, 32.9678



29.3793, 27.7966, 31.9873

Square

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



23.7475, 27.7966, 32.9678



27.3472, 27.7966, 38.9049



29.2855, 27.7966, 27.7156



25.5137, 27.7966, 23.0107

Rectangle

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



23.7475, 27.7966, 32.9678



25.3575, 27.7966, 38.7078



29.2855, 27.7966, 27.7156



27.5114, 27.7966, 23.1501

Sweetspot

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



23.7483, 27.7977, 32.9684



47.8393, 52.1120, 58.4580



21.5283, 26.9183, 20.8913



10.5525, 11.5233, 12.9528



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.



23.7483, 27.7977, 32.9684



40.3613, 48.2570, 58.1067



21.3740, 23.0489, 32.1778



5.9641, 6.5622, 7.4220



13.6106, 19.9171, 27.0549



0.1666, 0.2438, 0.3312

Inverse Universe

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



22.1509, 20.4918, 19.6187



37.0707, 33.2075, 30.6076



24.1702, 24.5308, 20.2912



5.8008, 5.8154, 6.0573



10.4317, 5.3777, 0.4884



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 23.7475, 27.7966, 32.9678 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 23.7475, 27.7966, 32.9678 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

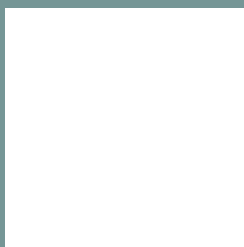
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7475, 27.7966, 32.9678

Background



This preview shows how black text looks on a background with the XYZ color 23.7475, 27.7966, 32.9678.



This preview shows how white text looks on a background with the XYZ color 23.7475, 27.7966,

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

23.7475, 27.7966, 32.9678

Protanopia

26.6878, 27.7400, 31.1419

Deuteranopia

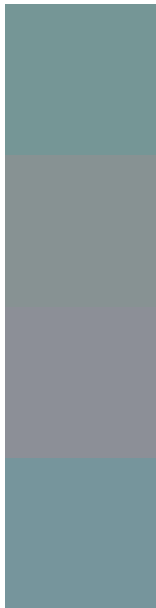
28.0370, 27.5045, 33.5370



Tritanopia

24.5428, 27.6398, 37.2992

Trichromacy



Original Color

23.7475, 27.7966, 32.9678

Protanomaly

25.5370, 27.8152, 31.6267

Deuteranomaly

26.2236, 27.4547, 33.1953

Tritanomaly

24.2194, 27.7467, 35.5316

Monochromacy



Original Color

23.7475, 27.7966, 32.9678

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.5230, 26.8657, 30.2786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7475, 27.7966, 32.9678 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, 150, 150)` looks like.

```
.text, #text, p{  
    color:rgb(117, 150, 150)  
}
```

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, 150, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 150, 150) }
```

Border

The CSS property to change the border of an element to XYZ 23.7475, 27.7966, 32.9678 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, 150, 150) }
```


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

```
.border{ border-color:rgb(117, 150, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 150, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 150, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 150, 150);  
box-shadow:4px 4px 4px 4px rgb(117, 150,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7475, 27.7966, 32.9678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 150, 150) }
```

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

```
.background{ background-color: rgb(117,  
150, 150) }
```

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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