

Converting Colors

XYZ(23.7048, 27.5957, 36.7489)

Have a look what the booklet for
XYZ(23.7048, 27.5957, 36.7489)
contains.

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Color

**XYZ(23.8464, 27.7606,
36.9024)**

Conversions

Conversions Part 1

Format	Color
Hex	70969F
RGB	112, 150, 159
RGB Percent	44%, 59%, 62%
CMY	0.5608, 0.4118, 0.3765
CMYK	0.30, 0.06, 0.00, 0.38
HSL	191°, 20%, 53%
HSV	191°, 30%, 62%
XYZ	23.8464, 27.7606, 36.9024
YIQ	139.6640, -25.5370, -5.2570

Conversions

Conversions Part 2

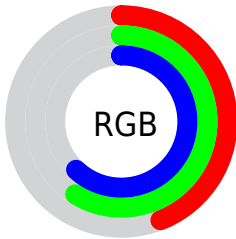
Format	Color
R_{YB}	112, 133, 159
Decimal	7378591
CIE _{Lab}	59.67, -10.82, -8.97
CIE _{LCh}	60, 14.055, 219.677
Yxy	27.7606, 0.2694, 0.3136
Android (android.graphics.Color)	4285568671 (0xFF70969F)
YUV	139.6640, 9.5326, -24.2613
Hunter-Lab	52.6883, -11.4166, -4.6443

Details

The XYZ color **23.8464, 27.7606, 36.9024** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.0604, 22.2157, 18.3497**, and the grayscale version is **24.7689, 26.0588, 28.3780**.

A 20% lighter version of the original color is **49.2475, 56.0401, 71.8395**, and **9.1552, 11.0305, 15.8339** is the 20% darker color. If you saturate the color by 10%, you get **21.5200, 25.8502, 36.6567**, and if you desaturate by 10%, it is **26.5444, 29.8827, 37.1703**.

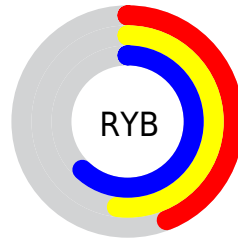
Distribution



Red (44%)

Green (59%)

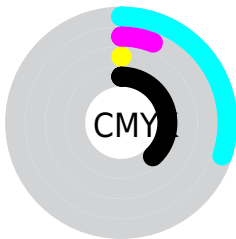
Blue (62%)



Red (44%)

Yellow (52%)

Blue (62%)

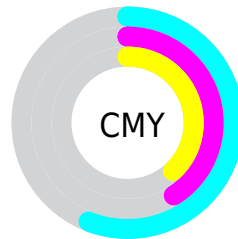


Cyan (30%)

Magenta (6%)

Yellow (0%)

Black (38%)



Cyan (56%)

Magenta (41%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8464, 27.7606, 36.9024 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 23.8464, 27.7606, 36.9024 by changing the saturation by 10% instead.

■ 23.8464, 27.7606,
36.9024

■ 23.8464, 27.7606,
36.9024

264.4979,
291.3212, 348.0437

■ 15.3438, 18.1453,
24.8367

■ 49.2359, 56.1020,
71.6073

■ 9.1489, 11.0543,
15.7375

■ 66.8536, 75.5969,
95.0836

■ 4.8963, 6.1034,
9.1863

■ 88.2404, 99.1537,
123.2006

■ 2.2207, 2.9081,
4.7644

■ 113.7616,
127.1569, 156.3767

■ 0.7536, 1.0839,
2.0534

143.7826,
159.9908, 195.0305

■ 0.0000, 0.0000,
0.5878

178.6687,

■ 0.0000, 0.0000,

198.0400, 239.5806

0.0000

218.7854,
241.6886, 290.4455

■ 23.8464, 27.7606,
36.9024

■ 23.8464, 27.7606,
36.9024

■ 21.5200, 25.8502,
36.6567

■ 26.5444, 29.8827,
37.1703

■ 19.5437, 24.1382,
36.4304

■ 29.6289, 32.2223,
37.4593

■ 17.8979, 22.6149,
36.2232

■ 33.1173, 34.7890,
37.7709

■ 16.5596, 21.2686,
36.0338

■ 37.0248, 37.5910,
38.1057

■ 15.5031, 20.0856,
35.8612

■ 41.3660, 40.6359,
38.4647

■ 14.6980, 19.0503,
35.7038

■ 46.1550, 43.9309,
38.8483

■ 14.0769, 18.1277,
35.5584

■ 51.4047, 47.4831,
39.2572

■ 14.0505, 18.0880,
35.5522

■ 57.1281, 51.2991,
39.6921

■ 63.2994, 55.3659,
40.1518

Harmonies

Analogous

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



23.1639, 27.7606, 31.8985



23.8464, 27.7606, 36.9024



25.2186, 27.7606, 40.3440

Triad

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



23.8464, 27.7606, 36.9024



29.7153, 27.7606, 33.7480



25.8164, 27.7606, 21.5831

Complementary

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



23.8464, 27.7606, 36.9024



24.0604, 22.2157, 18.3497

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.



27.5881, 27.7606, 21.9601



23.8464, 27.7606, 36.9024



29.8930, 27.7606, 28.6141

Square

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



23.8464, 27.7606, 36.9024



28.6239, 27.7606, 38.3860



29.0990, 27.7606, 24.4087



24.2672, 27.7606, 23.3140

Rectangle

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



23.8464, 27.7606, 36.9024



26.3664, 27.7606, 41.0855



29.0990, 27.7606, 24.4087



26.4049, 27.7606, 21.4724

Sweetspot

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



23.8472, 27.7617, 36.9030



53.2906, 57.8770, 67.1061



22.5085, 29.6126, 22.4962



11.8316, 12.9118, 15.1123



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.



23.8472, 27.7617, 36.9030



40.0859, 47.5840, 65.8153



20.5149, 21.0971, 35.7923



6.7139, 7.2935, 8.4606



11.1261, 14.3438, 28.0895



0.2244, 0.3074, 0.5107

Inverse Universe

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



25.5979, 21.1619, 31.5909



43.7605, 34.1594, 54.5692



27.2142, 28.5232, 19.4010



6.8497, 6.7328, 8.0595



14.4142, 7.0702, 16.9639



0.2706, 0.1316, 0.3710

Previews

White Background



This preview shows how the XYZ color 23.8464, 27.7606, 36.9024 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 23.8464, 27.7606, 36.9024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

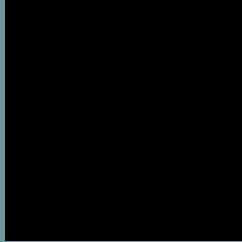
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8464, 27.7606, 36.9024

Background



This preview shows how black text looks on a background with the XYZ color 23.8464, 27.7606, 36.9024.

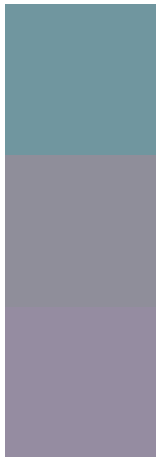


This preview shows how white text looks on a background with the XYZ color 23.8464, 27.7606,

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

23.8464, 27.7606, 36.9024

Protanopia

26.8334, 27.5187, 34.4692

Deuteranopia

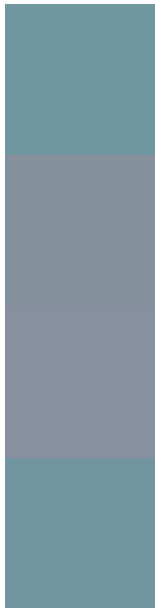
28.2055, 27.7189, 37.5819



Tritanopia

24.2380, 27.9320, 38.2964

Trichromacy



Original Color

23.8464, 27.7606, 36.9024

Protanomaly

25.6419, 27.5566, 35.4200

Deuteranomaly

26.4718, 27.7188, 37.2128

Tritanomaly

24.1494, 27.8966, 37.8300

Monochromacy



Original Color

23.8464, 27.7606, 36.9024

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.4456, 26.7989, 31.4880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8464, 27.7606, 36.9024 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(112, 150, 159)` looks like.

```
.text, #text, p{  
    color:rgb(112, 150, 159)  
}
```

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(112, 150, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 150, 159) }
```

Border

The CSS property to change the border of an element to XYZ 23.8464, 27.7606, 36.9024 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(112, 150, 159) }
```


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

```
.border{ border-color:rgb(112, 150, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 150, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 150, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 150, 159);  
box-shadow:4px 4px 4px 4px rgb(112, 150,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8464, 27.7606, 36.9024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 150, 159) }
```

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

```
.background{ background-color: rgb(112,  
150, 159) }
```

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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