

Converting Colors

XYZ(23.4532, 24.8050, 41.8329)

Have a look what the booklet for
XYZ(23.4532, 24.8050, 41.8329)
contains.

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Color

**XYZ(23.5094, 24.7621,
42.0686)**

Conversions

Conversions Part 1

Format	Color
Hex	738AAB
RGB	115, 138, 171
RGB Percent	45%, 54%, 67%
CMY	0.5490, 0.4588, 0.3294
CMYK	0.33, 0.19, 0.00, 0.33
HSL	215°, 25%, 56%
HSV	215°, 33%, 67%
XYZ	23.5094, 24.7621, 42.0686
YIQ	134.8850, -24.3010, 5.3870

Conversions

Conversions Part 2

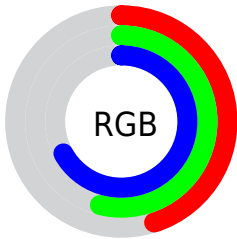
Format	Color
R_{YB}	115, 131, 171
Decimal	7572139
CIE _{Lab}	56.84, -0.12, -20.08
CIE _{LCh}	57, 20.077, 269.667
Yxy	24.7621, 0.2602, 0.2741
Android (android.graphics.Color)	4285762219 (0xFF738AAB)
YUV	134.8850, 17.8047, -17.4391
Hunter-Lab	49.7615, -2.7519, -15.2909

Details

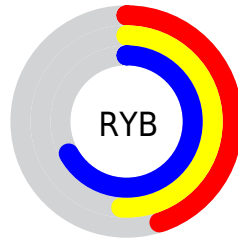
The XYZ color **23.5094, 24.7621, 42.0686** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.4794, 31.0758, 20.6122**, and the grayscale version is **22.9297, 24.1239, 26.2709**.

A 20% lighter version of the original color is **48.5067, 51.0774, 79.2539**, and **8.9995, 9.4352, 18.7996** is the 20% darker color. If you saturate the color by 10%, you get **20.0868, 20.9507, 41.5137**, and if you desaturate by 10%, it is **27.4849, 29.0588, 42.6888**.

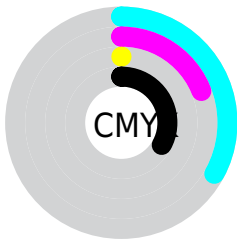
Distribution



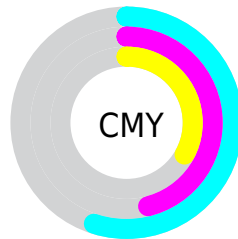
- Red (45%)
- Green (54%)
- Blue (67%)



- Red (45%)
- Yellow (51%)
- Blue (67%)



- Cyan (33%)
- Magenta (19%)
- Yellow (0%)
- Black (33%)



- Cyan (55%)
- Magenta (46%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5094, 24.7621, 42.0686 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 23.5094, 24.7621, 42.0686 by changing the saturation by 10% instead.

■ 23.5094, 24.7621,
42.0686

■ 23.5094, 24.7621,
42.0686

262.8174,
276.6511, 370.5753

■ 15.0929, 15.8999,
28.8290

■ 48.6889, 51.2710,
79.5746

■ 8.9713, 9.4533,
18.7071

■ 66.1827, 69.6865,
104.6782

■ 4.7794, 5.0380,
11.2841

■ 87.4328, 92.0553,
134.5735

■ 2.1519, 2.2696,
6.1417

112.8047,
118.7616, 169.6791

■ 0.7172, 0.7575,
2.8613

142.6638,
150.1900, 210.4136

■ 0.0000, 0.0000,
1.0242

177.3754,

■ 0.0000, 0.0000,

186.7247, 257.1954

0.0000

217.3048,
228.7503, 310.4431

■ 23.5094, 24.7621,
42.0686

■ 23.5094, 24.7621,
42.0686

■ 20.0868, 20.9507,
41.5137

■ 27.4849, 29.0588,
42.6888

■ 17.1879, 17.6024,
41.0202

■ 32.0357, 33.8559,
43.3749

■ 14.7845, 14.6977,
40.5863

■ 37.1858, 39.1712,
44.1294

■ 12.8442, 12.2139,
40.2091

■ 42.9571, 45.0209,
44.9544

■ 11.3304, 10.1261,
39.8859

■ 49.3704, 51.4204,
45.8516

■ 10.2002, 8.4056,
39.6134

■ 56.4454, 58.3843,
46.8228

■ 9.5557, 7.3502,
39.4436

■ 64.2011, 65.9267,
47.8699

■ 72.6556, 74.0614,
48.9945

■ 76.5248, 80.0684,
49.9500

Harmonies

Analogous

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



21.3284, 24.7621, 39.7323



23.5094, 24.7621, 42.0686



25.8417, 24.7621, 39.8297

Triad

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



23.5094, 24.7621, 42.0686



27.6806, 24.7621, 21.0549



19.8500, 24.7621, 20.9447

Complementary

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



23.5094, 24.7621, 42.0686



30.4794, 31.0758, 20.6122

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.



21.3710, 24.7621, 17.2149



23.5094, 24.7621, 42.0686



25.8901, 24.7621, 17.2707

Square

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



23.5094, 24.7621, 42.0686



28.3452, 24.7621, 27.0369



23.5619, 24.7621, 15.9886



19.3034, 24.7621, 26.8866

Rectangle

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



23.5094, 24.7621, 42.0686



27.1477, 24.7621, 36.2262



23.5619, 24.7621, 15.9886



20.2590, 24.7621, 19.4290

Sweetspot

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



23.5102, 24.7631, 42.0692



59.6406, 62.9908, 78.0169



26.9527, 34.8988, 33.1951



13.0297, 13.7664, 17.3581



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.5102, 24.7631, 42.0692



37.7469, 39.5192, 74.6404



21.1817, 19.1717, 41.1127



7.8390, 8.2773, 10.1372



7.2528, 5.6395, 29.7508



0.2565, 0.2663, 0.8459

Inverse Universe

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



27.5134, 22.7551, 26.9879



46.1260, 35.8608, 42.9517



33.4538, 38.5072, 21.8898



8.1365, 8.0679, 9.0297



13.5245, 6.8724, 5.1416



0.4038, 0.2022, 0.2884

Previews

White Background



This preview shows how the XYZ color 23.5094, 24.7621, 42.0686 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 23.5094, 24.7621, 42.0686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

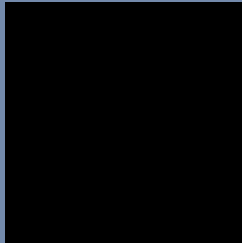
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

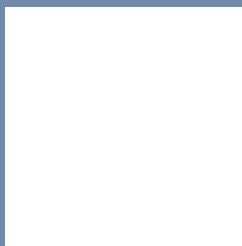
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5094, 24.7621, 42.0686

Background



This preview shows how black text looks on a background with the XYZ color 23.5094, 24.7621, 42.0686.

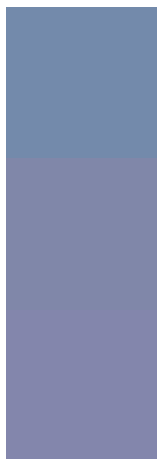


This preview shows how white text looks on a background with the XYZ color 23.5094, 24.7621,

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

23.5094, 24.7621, 42.0686

Protanopia

24.7275, 24.7817, 41.0162

Deuteranopia

25.3316, 24.8540, 42.4919



Tritanopia

21.8302, 24.7292, 33.7596

Trichromacy



Original Color

23.5094, 24.7621, 42.0686

Protanomaly

24.2282, 24.7216, 41.5250

Deuteranomaly

24.5678, 24.6665, 42.4960

Tritanomaly

22.4053, 24.7390, 36.8519

Monochromacy



Original Color

23.5094, 24.7621, 42.0686

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.0515, 24.3356, 31.4993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5094, 24.7621, 42.0686 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(115, 138, 171)` looks like.

```
.text, #text, p{  
    color:rgb(115, 138, 171)  
}
```

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(115, 138, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 138, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.5094, 24.7621, 42.0686 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(115, 138, 171) }
```


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

```
.border{ border-color:rgb(115, 138, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 138, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 138, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 138, 171); box-shadow:4px 4px 4px 4px rgb(115, 138, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5094, 24.7621, 42.0686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 138, 171) }
```

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

```
.background{ background-color: rgb(115,  
138, 171) }
```

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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