

Converting Colors

XYZ(23.6565, 24.4006, 41.8676)

Have a look what the booklet for
XYZ(23.6565, 24.4006, 41.8676)
contains.

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Color

**XYZ(23.6261, 24.4001,
41.9925)**

Conversions

Conversions Part 1

Format	Color
Hex	7688AB
RGB	118, 136, 171
RGB Percent	46%, 53%, 67%
CMY	0.5372, 0.4667, 0.3294
CMYK	0.31, 0.20, 0.00, 0.33
HSL	220°, 24%, 57%
HSV	220°, 31%, 67%
XYZ	23.6261, 24.4001, 41.9925
YIQ	134.6080, -21.9630, 7.0690

Conversions

Conversions Part 2

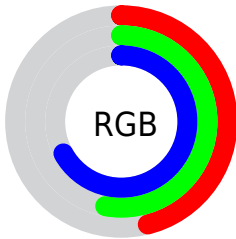
Format	Color
R_{YB}	118, 131, 171
Decimal	7768235
CIE _{Lab}	56.49, 1.94, -20.60
CIE _{LCh}	56, 20.695, 275.377
Yxy	24.4001, 0.2625, 0.2711
Android (android.graphics.Color)	4285958315 (0xFF7688AB)
YUV	134.6080, 17.9413, -14.5652
Hunter-Lab	49.3965, -1.0681, -15.8256

Details

The XYZ color **23.6261, 24.4001, 41.9925** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **31.4564, 32.7490, 21.8038**, and the grayscale version is **22.8263, 24.0150, 26.1523**.

A 20% lighter version of the original color is **48.7196, 50.5441, 79.1397**, and **9.0415, 9.2164, 18.7552** is the 20% darker color. If you saturate the color by 10%, you get **20.0037, 20.2953, 41.3915**, and if you desaturate by 10%, it is **27.8387, 29.0590, 42.6702**.

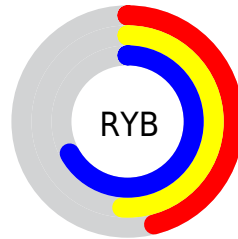
Distribution



Red (46%)

Green (53%)

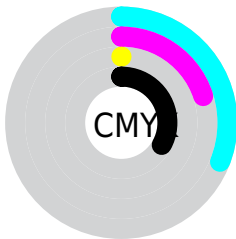
Blue (67%)



Red (46%)

Yellow (51%)

Blue (67%)

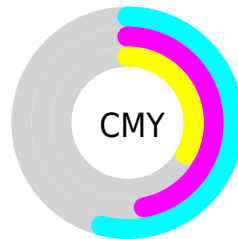


Cyan (31%)

Magenta (20%)

Yellow (0%)

Black (33%)



Cyan (54%)

Magenta (47%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6261, 24.4001, 41.9925 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 23.6261, 24.4001, 41.9925 by changing the saturation by 10% instead.

■ 23.6261, 24.4001,
41.9925

■ 23.6261, 24.4001,
41.9925

263.4004,
274.8371, 370.2506

■ 15.1797, 15.6307,
28.7699

■ 48.8785, 50.6823,
79.4582

■ 9.0328, 9.2632,
18.6627

■ 66.4152, 68.9639,
104.5385

■ 4.8198, 4.9133,
11.2525

■ 87.7128, 91.1850,
134.4083

■ 2.1756, 2.1965,
6.1206

113.1365,
117.7300, 169.4863

■ 0.7298, 0.7181,
2.8486

143.0518,
148.9833, 210.1910

■ 0.0000, 0.0000,
1.0179

177.8239,

■ 0.0000, 0.0000,

185.3294, 256.9409

0.0000

217.8184,
227.1525, 310.1546

■ 23.6261, 24.4001,
41.9925

■ 23.6261, 24.4001,
41.9925

■ 20.0037, 20.2953,
41.3915

■ 27.8387, 29.0590,
42.6702

■ 16.9411, 16.7197,
40.8628

■ 32.6650, 34.2899,
43.4254

■ 14.4088, 13.6504,
40.4038

■ 38.1303, 40.1133,
44.2614

■ 12.3734, 11.0619,
40.0115

■ 44.2575, 46.5479,
45.1805

■ 10.7972, 8.9257,
39.6822

■ 51.0686, 53.6113,
46.1849

■ 9.6365, 7.2095,
39.4121

■ 58.5842, 61.3207,
47.2768

■ 8.8676, 5.9741,
39.2142

■ 66.8243, 69.6924,
48.4584

■ 75.8081, 78.7421,
49.7317

■ 79.0590, 85.1369,
50.7947

Harmonies

Analogous

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



21.3241, 24.4001, 40.4619



23.6261, 24.4001, 41.9925



25.9632, 24.4001, 38.8467

Triad

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



23.6261, 24.4001, 41.9925



27.1555, 24.4001, 19.6357



19.2495, 24.4001, 21.4394

Complementary

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



23.6261, 24.4001, 41.9925



31.4564, 32.7490, 21.8038

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.



20.6246, 24.4001, 17.1941



23.6261, 24.4001, 41.9925



25.1650, 24.4001, 16.2853

Square

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



23.6261, 24.4001, 41.9925



28.0888, 24.4001, 25.3499



22.7624, 24.4001, 15.4750



18.8995, 24.4001, 27.8236

Rectangle

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



23.6261, 24.4001, 41.9925



27.1942, 24.4001, 34.7938



22.7624, 24.4001, 15.4750



19.6023, 24.4001, 19.7523

Sweetspot

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



23.6269, 24.4011, 41.9931



60.2086, 63.2427, 78.0356



27.7393, 35.2597, 35.2438



13.1309, 13.7862, 17.3566



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.



23.6269, 24.4011, 41.9931



37.8773, 38.6947, 74.4744



22.4268, 20.3299, 41.2705



7.7929, 8.1853, 10.1219



6.7294, 4.5926, 29.5763



0.2388, 0.2309, 0.8400

Inverse Universe

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



27.7177, 23.3933, 26.3479



46.4568, 37.0075, 41.5664



32.9480, 38.2261, 22.7823



8.1133, 8.0586, 8.9074



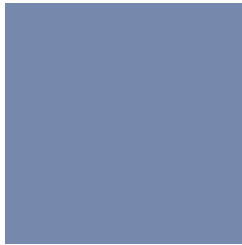
13.2603, 6.7667, 3.7503



0.3949, 0.1986, 0.2414

Previews

White Background



This preview shows how the XYZ color 23.6261, 24.4001, 41.9925 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 23.6261, 24.4001, 41.9925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

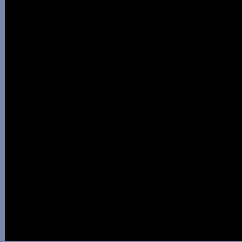
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6261, 24.4001, 41.9925

Background



This preview shows how black text looks on a background with the XYZ color 23.6261, 24.4001, 41.9925.

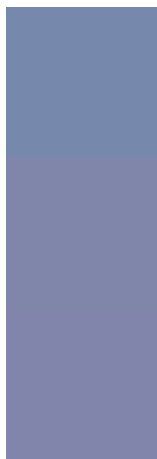


This preview shows how white text looks on a background with the XYZ color 23.6261, 24.4001,

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

23.6261, 24.4001, 41.9925

Protanopia

24.4389, 24.4268, 40.9629

Deuteranopia

24.8872, 24.4207, 42.4317



Tritanopia

21.9034, 24.5679, 32.8658

Trichromacy



Original Color

23.6261, 24.4001, 41.9925

Protanomaly

24.2319, 24.5153, 41.4850

Deuteranomaly

24.4289, 24.3887, 42.4497

Tritanomaly

22.4744, 24.5787, 35.9074

Monochromacy



Original Color

23.6261, 24.4001, 41.9925

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.0625, 24.1332, 31.4596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6261, 24.4001, 41.9925 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(118, 136, 171)` looks like.

```
.text, #text, p{  
    color:rgb(118, 136, 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(118, 136, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 136, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.6261, 24.4001, 41.9925 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(118, 136, 171) }
```


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

```
.border{ border-color:rgb(118, 136, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 136, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 136, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 136, 171);  
box-shadow:4px 4px 4px 4px rgb(118, 136,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6261, 24.4001, 41.9925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 136, 171) }
```

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

```
.background{ background-color: rgb(118,  
136, 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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