

Converting Colors

XYZ(21.8861, 23.6260, 42.0822)

Have a look what the booklet for
XYZ(21.8861, 23.6260, 42.0822)
contains.

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Color

**XYZ(21.8899, 23.7152,
41.9518)**

Conversions

Conversions Part 1

Format	Color
Hex	6789AB
RGB	103, 137, 171
RGB Percent	40%, 54%, 67%
CMY	0.5961, 0.4627, 0.3294
CMYK	0.40, 0.20, 0.00, 0.33
HSL	210°, 29%, 54%
HSV	210°, 40%, 67%
XYZ	21.8899, 23.7152, 41.9518
YIQ	130.7100, -31.1780, 3.3660

Conversions

Conversions Part 2

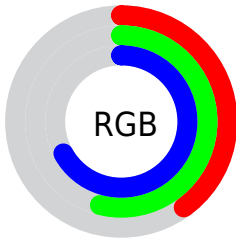
Format	Color
R_{YB}	103, 126, 171
Decimal	6785451
CIE _{Lab}	55.80, -3.01, -21.74
CIE _{LCh}	56, 21.944, 262.123
Yxy	23.7152, 0.2500, 0.2709
Android (android.graphics.Color)	4284975531 (0xFF6789AB)
YUV	130.7100, 19.8630, -24.3017
Hunter-Lab	48.6983, -4.9861, -16.9874

Details

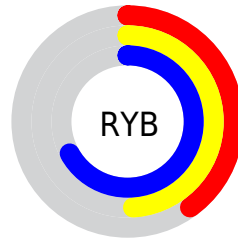
The XYZ color **21.8899, 23.7152, 41.9518** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.1890, 27.5291, 16.6607**, and the grayscale version is **21.4102, 22.5252, 24.5299**.

A 20% lighter version of the original color is **45.8512, 49.3858, 79.0673**, and **8.1032, 8.8521, 18.7343** is the 20% darker color. If you saturate the color by 10%, you get **18.9579, 20.4708, 41.4805**, and if you desaturate by 10%, it is **25.3209, 27.3608, 42.4751**.

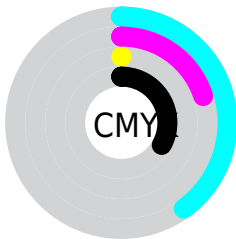
Distribution



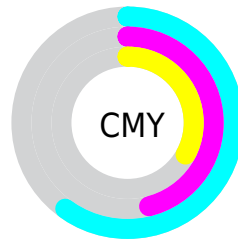
- Red (40%)
- Green (54%)
- Blue (67%)



- Red (40%)
- Yellow (49%)
- Blue (67%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (33%)



- Cyan (60%)
- Magenta (46%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8899, 23.7152, 41.9518 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 21.8899, 23.7152, 41.9518 by changing the saturation by 10% instead.

■ 21.8899, 23.7152,
41.9518

■ 21.8899, 23.7152,
41.9518

254.6140,
271.3774, 370.0769

■ 13.8922, 15.1225,
28.7383

■ 46.0442, 49.5650,
79.3960

■ 8.1269, 8.9054,
18.6390

■ 62.9314, 67.5910,
104.4637

■ 4.2287, 4.6795,
11.2356

■ 83.5126, 89.5301,
134.3199

■ 1.8323, 2.0605,
6.1094

■ 108.1529,
115.7668, 169.3831

■ 0.5370, 0.6423,
2.8418

137.2179,
146.6855, 210.0718

■ 0.0000, 0.0000,
1.0144

171.0728,

■ 0.0000, 0.0000,

182.6706, 256.8047

0.0000

210.0831,
224.1064, 310.0002

■ 21.8899, 23.7152,
41.9518

■ 21.8899, 23.7152,
41.9518

■ 18.9579, 20.4708,
41.4805

■ 25.3209, 27.3608,
42.4751

■ 16.4958, 17.6079,
41.0577

■ 29.2732, 31.4209,
43.0504

■ 14.4747, 15.1086,
40.6818

■ 33.7706, 35.9112,
43.6801

■ 12.8612, 12.9521,
40.3506

■ 38.8345, 40.8459,
44.3657

■ 11.6163, 11.1147,
40.0616

■ 44.4853, 46.2382,
45.1087

■ 10.6599, 9.5512,
39.8102

■ 50.7423, 52.1010,
45.9106

■ 10.6389, 9.5166,
39.8046

■ 57.6236, 58.4465,
46.7727

■ 65.1469, 65.2864,
47.6964

■ 72.6251, 72.2690,
48.6500

Harmonies

Analogous

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



19.7232, 23.7152, 38.2478



21.8899, 23.7152, 41.9518



24.3949, 23.7152, 40.7454

Triad

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



21.8899, 23.7152, 41.9518



27.2803, 23.7152, 20.9880



18.9639, 23.7152, 18.2755

Complementary

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



21.8899, 23.7152, 41.9518



28.1890, 27.5291, 16.6607

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.



20.7827, 23.7152, 15.0758



21.8899, 23.7152, 41.9518



25.6143, 23.7152, 16.4289

Square

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



21.8899, 23.7152, 41.9518



27.6314, 23.7152, 27.7496



23.2040, 23.7152, 14.4685



18.1170, 23.7152, 23.9854

Rectangle

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



21.8899, 23.7152, 41.9518



25.9118, 23.7152, 37.4041



23.2040, 23.7152, 14.4685



19.4752, 23.7152, 16.9175

Sweetspot

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



21.8907, 23.7161, 41.9524



58.4169, 62.2735, 77.9430



24.5915, 33.7837, 28.4685



12.7968, 13.6583, 17.3495



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.



21.8907, 23.7161, 41.9524



34.3976, 37.1652, 74.3625



17.9087, 15.7522, 40.6250



7.8973, 8.3940, 10.1567



8.0728, 7.2794, 30.0241



0.2794, 0.3121, 0.8535

Inverse Universe

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



26.1609, 20.1654, 26.1814



43.3749, 30.6999, 40.9825



33.5930, 38.3371, 18.4621



8.1660, 8.0796, 9.1848



13.9384, 7.0379, 7.3211



0.4154, 0.2068, 0.3493

Previews

White Background



This preview shows how the XYZ color 21.8899, 23.7152, 41.9518 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 21.8899, 23.7152, 41.9518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

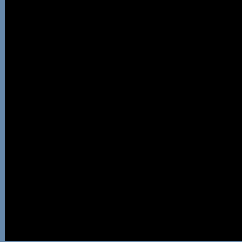
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8899, 23.7152, 41.9518

Background



This preview shows how black text looks on a background with the XYZ color 21.8899, 23.7152, 41.9518.



This preview shows how white text looks on a background with the XYZ color 21.8899, 23.7152,

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

21.8899, 23.7152, 41.9518

Protanopia

23.6838, 23.6525, 39.8763

Deuteranopia

24.0201, 23.5711, 42.3134



Tritanopia

20.0826, 23.6198, 33.2064

Trichromacy



Original Color

21.8899, 23.7152, 41.9518

Protanomaly

22.9291, 23.6593, 40.4040

Deuteranomaly

23.1700, 23.5355, 42.3513

Tritanomaly

20.7462, 23.6778, 36.2777

Monochromacy



Original Color

21.8899, 23.7152, 41.9518

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.4610, 22.9153, 30.4861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8899, 23.7152, 41.9518 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(103, 137, 171)` looks like.

```
.text, #text, p{  
    color:rgb(103, 137, 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(103, 137, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 137, 171) }
```

Border

The CSS property to change the border of an element to XYZ 21.8899, 23.7152, 41.9518 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(103, 137, 171) }
```


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

```
.border{ border-color:rgb(103, 137, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 137, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 137, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 137, 171);  
box-shadow:4px 4px 4px 4px rgb(103, 137,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8899, 23.7152, 41.9518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 137, 171) }
```

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

```
.background{ background-color: rgb(103,  
137, 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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