

Converting Colors

XYZ(23.3752, 23.6809, 44.4406)

Have a look what the booklet for
XYZ(23.3752, 23.6809, 44.4406)
contains.

XYZ(23.2942, 23.5545, 44.3930)	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(23.2942, 23.5545,
44.3930)**

Conversions

Conversions Part 1

Format	Color
Hex	7385B0
RGB	115, 133, 176
RGB Percent	45%, 52%, 69%
CMY	0.5490, 0.4784, 0.3098
CMYK	0.35, 0.24, 0.00, 0.31
HSL	222°, 28%, 57%
HSV	222°, 35%, 69%
XYZ	23.2942, 23.5545, 44.3930
YIQ	132.5200, -24.5310, 9.5570

Conversions

Conversions Part 2

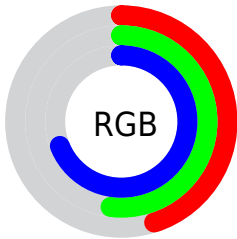
Format	Color
R _Y B	115, 129, 176
Decimal	7570864
CIE Lab	55.64, 4.11, -24.79
CIE LCh	56, 25.126, 279.419
Yxy	23.5545, 0.2553, 0.2582
Android (android.graphics.Color)	4285760944 (0xFF7385B0)
YUV	132.5200, 21.4356, -15.3650
Hunter-Lab	48.5330, 0.7413, -20.2593

Details

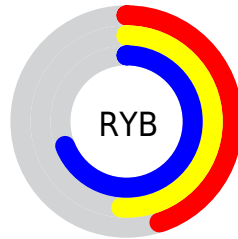
The XYZ color **23.2942, 23.5545, 44.3930** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **33.2262, 34.9219, 21.2098**, and the grayscale version is **22.0518, 23.2003, 25.2651**.

A 20% lighter version of the original color is **48.4866, 49.3790, 83.3195**, and **8.8598, 8.8607, 19.9822** is the 20% darker color. If you saturate the color by 10%, you get **19.5977, 19.2750, 43.7622**, and if you desaturate by 10%, it is **27.6348, 28.4649, 45.1124**.

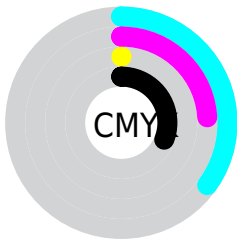
Distribution



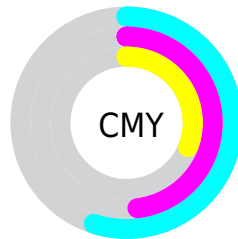
- Red (45%)
- Green (52%)
- Blue (69%)



- Red (45%)
- Yellow (51%)
- Blue (69%)



- Cyan (35%)
- Magenta (24%)
- Yellow (0%)
- Black (31%)



- Cyan (55%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2942, 23.5545, 44.3930 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 23.2942, 23.5545, 44.3930 by changing the saturation by 10% instead.

■ 23.2942, 23.5545,
44.3930

■ 23.2942, 23.5545,
44.3930

261.7397,
270.5604, 380.3978

■ 14.9328, 15.0035,
30.6401

■ 48.3391, 49.3022,
83.1176

■ 8.8582, 8.8218,
20.0688

■ 65.7532, 67.2677,
108.9263

■ 4.7052, 4.6251,
12.2605

■ 86.9157, 89.1402,
139.5908

■ 2.1083, 2.0290,
6.7967

112.1918,
115.3039, 175.5295

■ 0.6937, 0.6243,
3.2587

141.9468,
146.1435, 217.1611

■ 0.0000, 0.0000,
1.2282

176.5463,

■ 0.0000, 0.0000,

182.0431, 264.9039

0.0019

216.3555,
223.3873, 319.1766

■ 0.0000, 0.0000,
0.0000

■ 23.2942, 23.5545,
44.3930

■ 23.2942, 23.5545,
44.3930

■ 19.5977, 19.2750,
43.7622

■ 27.6348, 28.4649,
45.1124

■ 16.5108, 15.5967,
43.2149

■ 32.6469, 34.0287,
45.9222

■ 13.9990, 12.4916,
42.7480

■ 38.3593, 40.2705,
46.8259

■ 12.0235, 9.9279,
42.3573

■ 44.7983, 47.2128,
47.8265

■ 10.5400, 7.8704,
42.0383

■ 51.9887, 54.8772,
48.9269

■ 9.4959, 6.2786,
41.7861

■ 59.9543, 63.2841,
50.1298

■ 9.0617, 5.5850,
41.6751

■ 68.7177, 72.4532,
51.4377

■ 78.0046, 82.2508,
52.8394

■ 81.6262, 89.4939,
54.0466

Harmonies

Analogous

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



20.5212, 23.5545, 43.2668



23.2942, 23.5545, 44.3930



26.0405, 23.5545, 39.7374

Triad

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



23.2942, 23.5545, 44.3930



26.8806, 23.5545, 16.9369



17.6515, 23.5545, 20.5290

Complementary

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



23.2942, 23.5545, 44.3930



33.2262, 34.9219, 21.2098

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.



19.0938, 23.5545, 15.3564



23.2942, 23.5545, 44.3930



24.3644, 23.5545, 13.6077

Square

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



23.2942, 23.5545, 44.3930



28.2235, 23.5545, 23.1697



21.5053, 23.5545, 13.0978



17.4177, 23.5545, 28.2945

Rectangle

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



23.2942, 23.5545, 44.3930



27.4300, 23.5545, 34.4620



21.5053, 23.5545, 13.0978



18.0048, 23.5545, 18.4798

Sweetspot

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



23.2950, 23.5554, 44.3936



63.6948, 66.6367, 84.0004



28.7419, 37.1543, 37.8697



13.5007, 14.1096, 18.1562



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.2950, 23.5554, 44.3936



36.7450, 36.3645, 79.5777



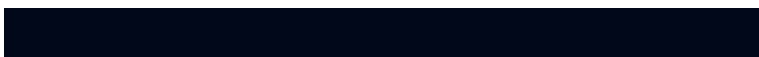
22.7501, 19.9242, 43.7214



8.2396, 8.6253, 10.7369



6.6939, 4.1881, 30.5926



0.2626, 0.2357, 0.9799

Inverse Universe

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



28.2695, 23.1857, 25.1766



47.3575, 36.1384, 38.4544



33.8889, 40.1602, 22.1859



8.5961, 8.5452, 9.3716



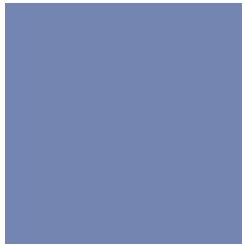
13.6134, 6.9629, 3.1242



0.4546, 0.2296, 0.2364

Previews

White Background



This preview shows how the XYZ color 23.2942, 23.5545, 44.3930 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 23.2942, 23.5545, 44.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

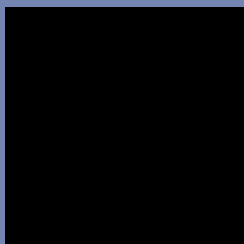
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

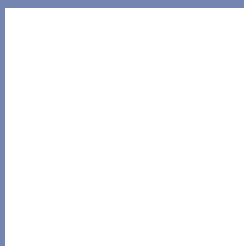
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2942, 23.5545, 44.3930

Background



This preview shows how black text looks on a background with the XYZ color 23.2942, 23.5545, 44.3930.



This preview shows how white text looks on a background with the XYZ color 23.2942, 23.5545,

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

23.2942, 23.5545, 44.3930

Protanopia

23.7393, 23.3927, 43.8215

Deuteranopia

23.9788, 23.5048, 44.3473



Tritanopia

20.8200, 23.5981, 31.8913

Trichromacy



Original Color

23.2942, 23.5545, 44.3930

Protanomaly

23.5969, 23.5196, 43.8535

Deuteranomaly

23.6955, 23.5591, 44.3728

Tritanomaly

21.6177, 23.4910, 36.1957

Monochromacy



Original Color

23.2942, 23.5545, 44.3930

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4165, 23.3806, 31.7652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2942, 23.5545, 44.3930 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, 133, 176)` looks like.

```
.text, #text, p{  
    color:rgb(115, 133, 176)  
}
```

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, 133, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 133, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.2942, 23.5545, 44.3930 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, 133, 176) }
```


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

```
.border{ border-color:rgb(115, 133, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 133, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 133, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 133, 176);  
box-shadow:4px 4px 4px 4px rgb(115, 133,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2942, 23.5545, 44.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 133, 176) }
```

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

```
.background{ background-color: rgb(115,  
133, 176) }
```

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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