

Converting Colors

XYZ(11.8291, 13.5734, 23.5667)

Have a look what the booklet for
XYZ(11.8291, 13.5734, 23.5667)
contains.

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Color

**XYZ(11.8432, 13.5928,
23.4722)**

Conversions

Conversions Part 1

Format	Color
Hex	446C83
RGB	68, 108, 131
RGB Percent	27%, 42%, 51%
CMY	0.7333, 0.5765, 0.4863
CMYK	0.48, 0.18, 0.00, 0.49
HSL	202°, 32%, 39%
HSV	202°, 48%, 51%
XYZ	11.8432, 13.5928, 23.4722
YIQ	98.6620, -31.2230, -1.3270

Conversions

Conversions Part 2

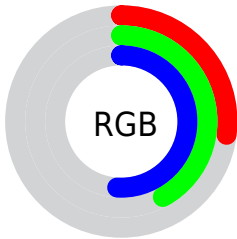
Format	Color
R _{YB}	68, 92, 131
Decimal	4484227
CIE Lab	43.64, -7.35, -17.09
CIE LCh	44, 18.600, 246.733
Yxy	13.5928, 0.2422, 0.2779
Android (android.graphics.Color)	4282674307 (0xFF446C83)
YUV	98.6620, 15.9426, -26.8906
Hunter-Lab	36.8684, -7.1804, -11.9390




Details

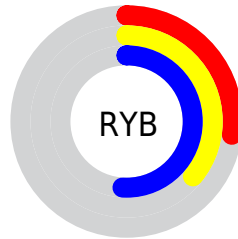
The XYZ color **11.8432, 13.5928, 23.4722** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.1448, 12.7251, 7.1799**, and the grayscale version is **11.7421, 12.3536, 13.4530**.




A 20% lighter version of the original color is **28.7956, 32.2500, 50.0546**, and **3.3577, 4.0322, 8.5840** is the 20% darker color. If you saturate the color by 10%, you get **10.5391, 12.1924, 23.2709**, and if you desaturate by 10%, it is **13.3800, 15.1548, 23.6929**.

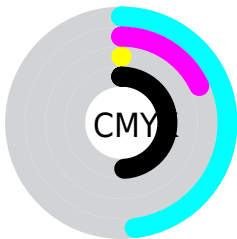
Distribution







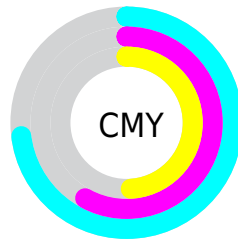
-  Red (27%)
-  Green (42%)
-  Blue (51%)






-  Red (27%)
-  Yellow (36%)
-  Blue (51%)



-  Cyan (48%)
-  Magenta (18%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (73%)
-  Magenta (58%)
-  Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8432, 13.5928, 23.4722 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 11.8432, 13.5928, 23.4722 by changing the saturation by 10% instead.

■ 11.8432, 13.5928,
23.4722

■ 11.8432, 13.5928,
23.4722

197.1556,
214.6827, 283.3412

■ 6.7084, 7.8380,
14.7340

■ 28.8285, 32.3647,
50.1005

■ 3.3251, 3.9915,
8.4884

■ 41.4098, 46.1507,
68.8277

■ 1.3279, 1.6688,
4.3168

■ 57.2040, 63.3825,
91.7216

■ 0.2040, 0.4033,
1.8007

■ 76.5764, 84.4445,
119.2008

■ 0.0000, 0.0000,
0.4284

■ 99.8924, 109.7211,
151.6838

■ 0.0000, 0.0000,
0.0000

127.5174,

139.5967, 189.5892

159.8167,
174.4558, 233.3355

■ 11.8432, 13.5928,
23.4722

■ 11.8432, 13.5928,
23.4722

■ 10.5391, 12.1924,
23.2709

■ 13.3800, 15.1548,
23.6929

■ 9.4523, 10.9442,
23.0872

■ 15.1612, 16.8842,
23.9329

■ 8.5672, 9.8398,
22.9207

■ 17.1992, 18.7883,
24.1930

■ 7.8655, 8.8689,
22.7703

■ 19.5049, 20.8735,
24.4739

■ 7.3054, 8.0095,
22.6339

■ 22.0889, 23.1456,
24.7763

■ 7.2036, 7.8523,
22.6089

■ 24.9609, 25.6103,
25.1007

■ 28.1304, 28.2731,
25.4476

■ 31.6061, 31.1390,
25.8176

■ 35.3966, 34.2130,
26.2112

Harmonies

Analogous

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



10.7999, 13.5928, 20.1420



11.8432, 13.5928, 23.4722



13.2511, 13.5928, 24.2945

Triad

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



11.8432, 13.5928, 23.4722



15.9093, 13.5928, 13.8784



11.3139, 13.5928, 9.2518

Complementary

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



11.8432, 13.5928, 23.4722



14.1448, 12.7251, 7.1799

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.



12.5935, 13.5928, 8.1714



11.8432, 13.5928, 23.4722



15.2998, 13.5928, 10.4978

Square

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



11.8432, 13.5928, 23.4722



15.6708, 13.5928, 18.2047



14.0592, 13.5928, 8.5803



10.5108, 13.5928, 11.8491

Rectangle

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



11.8432, 13.5928, 23.4722



14.2225, 13.5928, 23.1941



14.0592, 13.5928, 8.5803



11.6987, 13.5928, 8.7239

Sweetspot

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



11.8436, 13.5933, 23.4725



32.2978, 35.0135, 43.5092



12.3481, 18.2009, 12.5468



7.3439, 7.9919, 10.1082



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.8436, 13.5933, 23.4725



18.6094, 21.5401, 41.6300



9.1665, 8.2390, 22.5801



4.6625, 5.0005, 5.9202



7.0933, 7.7344, 22.2557



0.0315, 0.0407, 0.0794

Inverse Universe

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



14.1343, 10.0427, 15.3814



23.4139, 14.9846, 24.4599



17.3082, 19.0518, 8.2344



4.7876, 4.7347, 5.4941



10.7585, 5.3677, 8.5665



0.0408, 0.0200, 0.0482

Previews

White Background



This preview shows how the XYZ color 11.8432, 13.5928, 23.4722 looks on a white 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

Black Background



This preview shows how the XYZ color 11.8432, 13.5928, 23.4722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

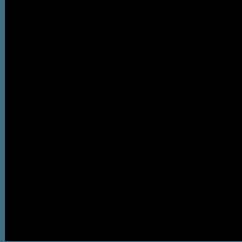
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8432, 13.5928, 23.4722

Background



This preview shows how black text looks on a background with the XYZ color 11.8432, 13.5928, 23.4722.



This preview shows how white text looks on a background with the XYZ color 11.8432, 13.5928,

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

11.8432, 13.5928, 23.4722

Protanopia

13.5119, 13.5764, 21.9870

Deuteranopia

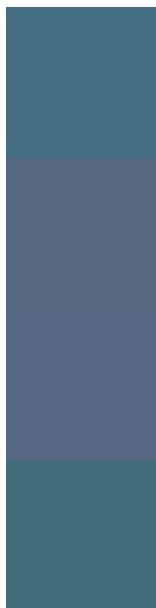
13.8171, 13.5422, 24.0760



Tritanopia

11.0201, 13.5738, 19.4919

Trichromacy



Original Color

11.8432, 13.5928, 23.4722

Protanomaly

12.6843, 13.4376, 22.3472

Deuteranomaly

12.9529, 13.5450, 23.7616

Tritanomaly

11.2238, 13.4912, 20.7514

Monochromacy



Original Color

11.8432, 13.5928, 23.4722

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.6451, 12.7251, 16.8814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8432, 13.5928, 23.4722 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(68, 108, 131)` looks like.

```
.text, #text, p{  
    color:rgb(68, 108, 131)  
}
```

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(68, 108, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 108, 131) }
```

Border

The CSS property to change the border of an element to XYZ 11.8432, 13.5928, 23.4722 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(68, 108, 131) }
```


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

```
.border{ border-color:rgb(68, 108, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 108, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 108, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 108, 131);  
box-shadow:4px 4px 4px 4px rgb(68, 108,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8432, 13.5928, 23.4722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 108, 131) }
```

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

```
.background{ background-color: rgb(68, 108,  
131) }
```

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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