

Converting Colors

XYZ(23.2142, 27.7132, 56.9490)

Have a look what the booklet for
XYZ(23.2142, 27.7132, 56.9490)
contains.

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Color

**XYZ(23.2142, 27.7132,
56.9490)**

Conversions

Conversions Part 1

Format	Color
Hex	3A99C5
RGB	58, 153, 197
RGB Percent	23%, 60%, 77%
CMY	0.7725, 0.4000, 0.2274
CMYK	0.71, 0.22, 0.00, 0.23
HSL	199°, 55%, 50%
HSV	199°, 71%, 77%
XYZ	23.2142, 27.7132, 56.9490
YIQ	129.6110, -70.7440, -6.4560

Conversions

Conversions Part 2

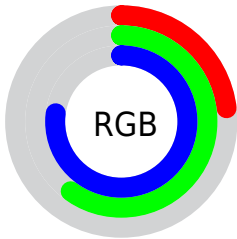
Format	Color
R_{YB}	58, 114, 197
Decimal	3840453
CIE _{Lab}	59.63, -13.44, -30.75
CIE _{LCh}	60, 33.557, 246.383
Yxy	27.7132, 0.2152, 0.2569
Android (android.graphics.Color)	4282030533 (0xFF3A99C5)
YUV	129.6110, 33.2228, -62.8028
Hunter-Lab	52.6433, -13.4124, -27.2890

Details

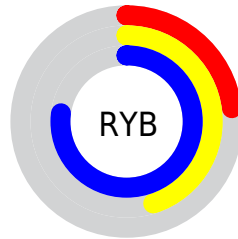
The XYZ color **23.2142, 27.7132, 56.9490** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **28.5423, 21.6804, 6.6846**, and the grayscale version is **20.9866, 22.0796, 24.0446**.

A 20% lighter version of the original color is **48.2283, 55.9190, 102.0175**, and **9.7093, 11.4859, 27.6919** is the 20% darker color. If you saturate the color by 10%, you get **21.2862, 25.2439, 56.5745**, and if you desaturate by 10%, it is **25.6354, 30.5170, 57.3631**.

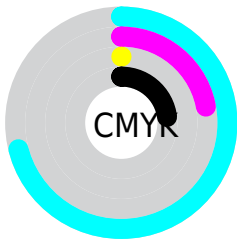
Distribution



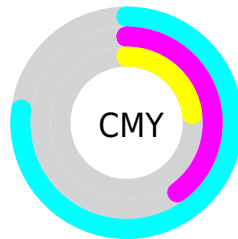
- Red (23%)
- Green (60%)
- Blue (77%)



- Red (23%)
- Yellow (45%)
- Blue (77%)



- Cyan (71%)
- Magenta (22%)
- Yellow (0%)
- Black (23%)



- Cyan (77%)
- Magenta (40%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2142, 27.7132, 56.9490 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 23.2142, 27.7132, 56.9490 by changing the saturation by 10% instead.

■ 23.2142, 27.7132,
56.9490

■ 23.2142, 27.7132,
56.9490

261.3381,
291.0939, 430.7466

■ 14.8733, 18.1096,
40.5552

■ 48.2089, 56.0262,
101.8904

■ 8.8163, 11.0287,
27.6546

■ 65.5934, 75.5044,
131.2750

■ 4.6777, 6.0861,
17.8287

■ 86.7231, 99.0429,
165.8270

■ 2.0922, 2.8975,
10.6589

■ 111.9635,
127.0261, 205.9650

■ 0.6850, 1.0785,
5.7267

■ 141.6798,
159.8384, 252.1073

■ 0.0000, 0.0000,
2.6135

176.2375,

■ 0.0000, 0.0000,

197.8643, 304.6727

0.8994

216.0018,
241.4879, 364.0796

■ 0.0000, 0.0000,
0.0000

■ 23.2142, 27.7132,
56.9490

■ 23.2142, 27.7132,
56.9490

■ 21.2862, 25.2439,
56.5745

■ 25.6354, 30.5170,
57.3631

■ 19.7948, 23.0771,
56.2349

■ 28.5925, 33.6769,
57.8172

■ 18.6918, 21.2585,
55.9420

■ 32.1265, 37.2158,
58.3140

■ 36.2733, 41.1532,
58.8554

■ 41.0658, 45.5072,
59.4433

■ 46.5345, 50.2947,
60.0791

■ 52.7078, 55.5312,
60.7645

■ 59.6123, 61.2316,
61.5009

■ 67.2734, 67.4100,
62.2896

Harmonies

Analogous

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



20.3194, 27.7132, 46.2108



23.2142, 27.7132, 56.9490



27.2552, 27.7132, 59.7533

Triad

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



23.2142, 27.7132, 56.9490



35.2799, 27.7132, 27.6586



21.8040, 27.7132, 15.0370

Complementary

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



23.2142, 27.7132, 56.9490



28.5423, 21.6804, 6.6846

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.



25.4466, 27.7132, 12.4392



23.2142, 27.7132, 56.9490



33.4472, 27.7132, 18.3582

Square

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



23.2142, 27.7132, 56.9490



34.5188, 27.7132, 40.5036



29.7357, 27.7132, 13.4672



19.5683, 27.7132, 21.7709

Rectangle

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



23.2142, 27.7132, 56.9490



30.1231, 27.7132, 56.2265



29.7357, 27.7132, 13.4672



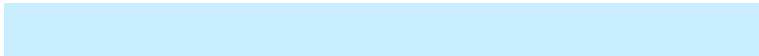
22.8887, 27.7132, 13.7465

Sweetspot

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



23.2152, 27.7142, 56.9497



72.8472, 80.8772, 106.3791



23.9980, 41.7472, 18.7755



15.0571, 16.8301, 22.7049



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.2152, 27.7142, 56.9497



36.4989, 42.9175, 100.9680



15.1360, 11.5560, 54.2566



10.6526, 11.4793, 13.5718



12.3721, 14.1381, 36.8212



0.6488, 0.7954, 1.7645

Inverse Universe

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



30.2896, 17.1975, 31.8608



50.8452, 26.2239, 49.0517



38.0158, 40.6274, 9.8424



10.9347, 10.7573, 12.6394



18.0442, 8.9672, 15.9744



0.8862, 0.4373, 0.9238

Previews

White Background



This preview shows how the XYZ color 23.2142, 27.7132, 56.9490 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 23.2142, 27.7132, 56.9490 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 23.2142, 27.7132, 56.9490

Background



This preview shows how black text looks on a background with the XYZ color 23.2142, 27.7132, 56.9490.

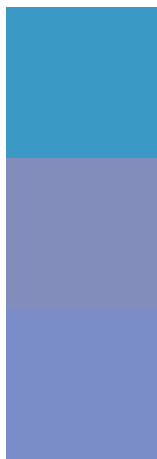


This preview shows how white text looks on a background with the XYZ color 23.2142, 27.7132,

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

23.2142, 27.7132, 56.9490

Protanopia

27.8079, 27.4264, 51.4051

Deuteranopia

28.1186, 27.4308, 58.4563



Tritanopia

20.4142, 27.8253, 42.8230

Trichromacy



Original Color

23.2142, 27.7132, 56.9490

Protanomaly

25.2383, 26.9554, 53.1629

Deuteranomaly

25.5798, 27.0270, 57.9014

Tritanomaly

21.2534, 27.6531, 47.3974

Monochromacy



Original Color

23.2142, 27.7132, 56.9490

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.6301, 23.4531, 34.0114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2142, 27.7132, 56.9490 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(58, 153, 197)` looks like.

```
.text, #text, p{  
    color:rgb(58, 153, 197)  
}
```

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(58, 153, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 153, 197) }
```

Border

The CSS property to change the border of an element to XYZ 23.2142, 27.7132, 56.9490 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(58, 153, 197) }
```


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

```
.border{ border-color:rgb(58, 153, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 153, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 153, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 153, 197);  
box-shadow:4px 4px 4px 4px rgb(58, 153,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2142, 27.7132, 56.9490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 153, 197) }
```

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

```
.background{ background-color: rgb(58, 153,  
197) }
```

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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