

Converting Colors

XYZ(23.6584, 29.1530, 53.5157)

Have a look what the booklet for
XYZ(23.6584, 29.1530, 53.5157)
contains.

XYZ(23.7452, 29.3053, 53.6952)	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(23.7452, 29.3053,
53.6952)**

Conversions

Conversions Part 1

Format	Color
Hex	409EBF
RGB	64, 158, 191
RGB Percent	25%, 62%, 75%
CMY	0.7490, 0.3804, 0.2510
CMYK	0.66, 0.17, 0.00, 0.25
HSL	196°, 50%, 50%
HSV	196°, 66%, 75%
XYZ	23.7452, 29.3053, 53.6952
YIQ	133.6560, -66.6170, -9.6650

Conversions

Conversions Part 2

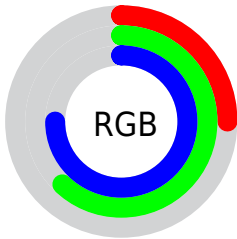
Format	Color
RYB	64, 118, 191
Decimal	4234943
CIELab	61.05, -17.21, -25.17
CIElCh	61, 30.486, 235.641
Yxy	29.3053, 0.2224, 0.2745
Android (android.graphics.Color)	4282425023 (0xFF409EBF)
YUV	133.6560, 28.2706, -61.0883
Hunter-Lab	54.1344, -16.4389, -20.9149

Details

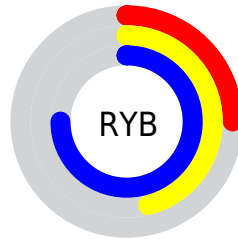
The XYZ color **23.7452, 29.3053, 53.6952** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **26.6870, 19.9973, 7.3049**, and the grayscale version is **22.4522, 23.6215, 25.7238**.

A 20% lighter version of the original color is **49.0402, 58.6639, 96.7343**, and **9.7731, 12.3215, 25.5301** is the 20% darker color. If you saturate the color by 10%, you get **21.8798, 27.1127, 53.3709**, and if you desaturate by 10%, it is **26.0719, 31.7876, 54.0523**.

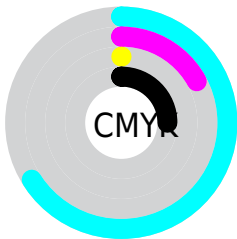
Distribution



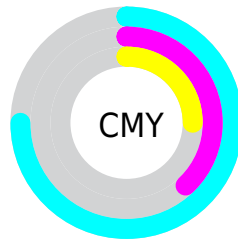
- Red (25%)
- Green (62%)
- Blue (75%)



- Red (25%)
- Yellow (46%)
- Blue (75%)



- Cyan (66%)
- Magenta (17%)
- Yellow (0%)
- Black (25%)



- Cyan (75%)
- Magenta (38%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7452, 29.3053, 53.6952 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 23.7452, 29.3053, 53.6952 by changing the saturation by 10% instead.

■ 23.7452, 29.3053,
53.6952

■ 23.7452, 29.3053,
53.6952

263.9942,
298.6527, 418.0884

■ 15.2684, 19.3119,
37.9665

■ 49.0718, 58.5618,
97.0785

■ 9.0955, 11.8959,
25.6551

■ 66.6523, 78.5937,
125.5701

■ 4.8612, 6.6728,
16.3423

■ 87.9982, 102.7405,
159.1532

■ 2.1999, 3.2583,
9.6097

■ 113.4746,
131.3867, 198.2461

■ 0.7427, 1.2680,
5.0388

■ 143.4471,
164.9166, 243.2676

■ 0.0000, 0.1163,
2.2109

178.2810,

■ 0.0000, 0.0000,

203.7147, 294.6361

0.6806

218.3416,
248.1652, 352.7702

■ 0.0000, 0.0000,
0.0000

■ 23.7452, 29.3053,
53.6952

■ 23.7452, 29.3053,
53.6952

■ 21.8798, 27.1127,
53.3709

■ 26.0719, 31.7876,
54.0523

■ 20.4270, 25.1824,
53.0748

■ 28.8966, 34.5774,
54.4419

■ 19.3275, 23.4838,
52.8049

■ 32.2552, 37.6944,
54.8665

■ 18.9836, 22.9207,
52.7144

■ 36.1797, 41.1556,
55.3277

■ 40.6991, 44.9764,
55.8270

■ 45.8405, 49.1716,
56.3658

■ 51.6294, 53.7546,
56.9453

■ 58.0896, 58.7383,
57.5668

■ 65.2439, 64.1350,
58.2314

Harmonies

Analogous

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



21.4952, 29.3053, 42.3896



23.7452, 29.3053, 53.6952



27.2748, 29.3053, 59.2066

Triad

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



23.7452, 29.3053, 53.6952



36.2234, 29.3053, 33.6075



24.6647, 29.3053, 15.9190

Complementary

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



23.7452, 29.3053, 53.6952



26.6870, 19.9973, 7.3049

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.



28.4409, 29.3053, 14.6344



23.7452, 29.3053, 53.6952



35.3569, 29.3053, 23.3154

Square

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



23.7452, 29.3053, 53.6952



34.6777, 29.3053, 45.9815



32.4110, 29.3053, 16.9926



21.9895, 29.3053, 21.0469

Rectangle

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



23.7452, 29.3053, 53.6952



29.9734, 29.3053, 58.0815



32.4110, 29.3053, 16.9926



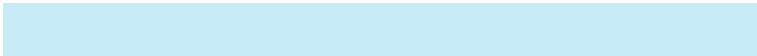
25.8366, 29.3053, 15.0849

Sweetspot

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



23.7462, 29.3064, 53.6959



69.6637, 77.8546, 99.6349



22.8460, 39.1923, 17.3683



14.7935, 16.6696, 21.8231



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.7462, 29.3064, 53.6959



37.8565, 46.8507, 95.3270



15.6796, 13.1732, 51.0071



9.5931, 10.3785, 12.1698



12.5436, 15.1989, 34.6655



0.5415, 0.6958, 1.3746

Inverse Universe

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



29.4917, 17.2129, 34.1168



49.5554, 26.0564, 54.6013



34.8534, 36.3300, 10.0271



9.8212, 9.6528, 11.4475



17.3322, 8.5640, 17.5748



0.7043, 0.3456, 0.8219

Previews

White Background



This preview shows how the XYZ color 23.7452, 29.3053, 53.6952 looks on a white background.

Color Contrast Check

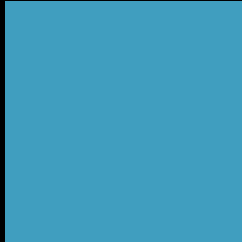
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7452, 29.3053, 53.6952 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

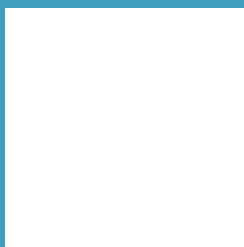
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7452, 29.3053, 53.6952

Background



This preview shows how black text looks on a background with the XYZ color 23.7452, 29.3053, 53.6952.

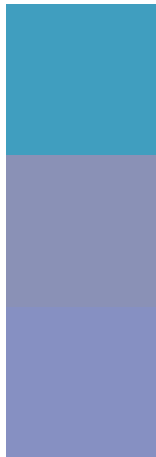


This preview shows how white text looks on a background with the XYZ color 23.7452, 29.3053,

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

23.7452, 29.3053, 53.6952

Protanopia

29.0501, 29.0315, 48.3285

Deuteranopia

29.5424, 28.9099, 55.0621



Tritanopia

21.9062, 29.3300, 44.5511

Trichromacy



Original Color

23.7452, 29.3053, 53.6952

Protanomaly

26.2188, 28.6950, 50.0557

Deuteranomaly

26.6798, 28.5964, 54.5656

Tritanomaly

22.5539, 29.3364, 47.6538

Monochromacy



Original Color

23.7452, 29.3053, 53.6952

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.0455, 25.2627, 34.7246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7452, 29.3053, 53.6952 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(64, 158, 191)` looks like.

```
.text, #text, p{  
    color:rgb(64, 158, 191)  
}
```

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(64, 158, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 158, 191) }
```

Border

The CSS property to change the border of an element to XYZ 23.7452, 29.3053, 53.6952 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(64, 158, 191) }
```


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

```
.border{ border-color:rgb(64, 158, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 158, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 158, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 158, 191);  
box-shadow:4px 4px 4px 4px rgb(64, 158,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7452, 29.3053, 53.6952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 158, 191) }
```

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

```
.background{ background-color: rgb(64, 158,  
191) }
```

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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