

Converting Colors

XYZ(19.5944, 23.8814, 53.7222)

Have a look what the booklet for
XYZ(19.5944, 23.8814, 53.7222)
contains.

XYZ(19.4877, 23.7523, 53.4267)	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(19.4877, 23.7523,
53.4267)**

Conversions

Conversions Part 1

Format	Color
Hex	0090C0
RGB	0, 144, 192
RGB Percent	0%, 56%, 75%
CMY	0.9998, 0.4353, 0.2471
CMYK	1.00, 0.25, 0.00, 0.25
HSL	195°, 100%, 38%
HSV	195°, 100%, 75%
XYZ	19.4877, 23.7523, 53.4267
YIQ	106.4160, -101.2320, -15.6000

Conversions

Conversions Part 2

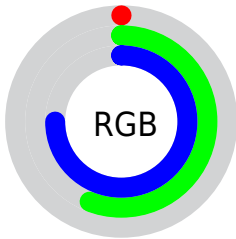
Format	Color
RYB	0, 82, 192
Decimal	37056
CIELab	55.84, -14.82, -33.89
CIELCh	56, 36.985, 246.383
Yxy	23.7523, 0.2016, 0.2457
Android (android.graphics.Color)	4278227136 (0xFF0090C0)
YUV	106.4160, 42.1929, -93.3268
Hunter-Lab	48.7363, -13.9136, -30.8806

Details

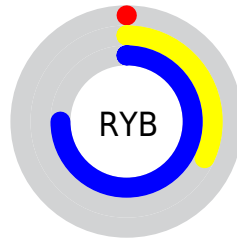
The XYZ color **19.4877, 23.7523, 53.4267** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **22.7973, 13.3239, 1.3714**, and the grayscale version is **13.7250, 14.4398, 15.7249**.

A 20% lighter version of the original color is **42.2227, 49.7691, 97.0036**, and **8.5901, 9.8404, 25.4914** is the 20% darker color. If you saturate the color by 10%, you get **19.4865, 23.7497, 53.4268**, and if you desaturate by 10%, it is **20.5041, 25.3792, 53.6876**.

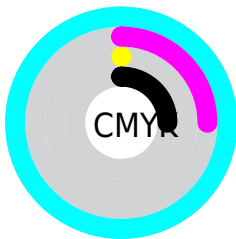
Distribution



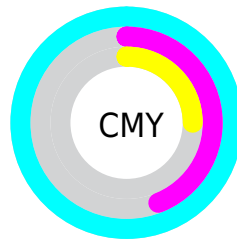
- Red (0%)
- Green (56%)
- Blue (75%)



- Red (0%)
- Yellow (32%)
- Blue (75%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (44%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4877, 23.7523, 53.4267 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 19.4877, 23.7523, 53.4267 by changing the saturation by 10% instead.

■ 19.4877, 23.7523,
53.4267

■ 19.4877, 23.7523,
53.4267

■ 242.0148,
271.5658, 417.0327

■ 12.1293, 15.1500,
37.7535

■ 42.0671, 49.6257,
96.6799

■ 6.9046, 8.9247,
25.4911

■ 58.0188, 67.6655,
125.0969

■ 3.4483, 4.6921,
16.2209

■ 77.5657, 89.6200,
158.5988

■ 1.3950, 2.0678,
9.5246

■ 101.0731,
115.8735, 197.6044

■ 0.2527, 0.6464,
4.9834

■ 128.9064,
146.8105, 242.5320

■ 0.0000, 0.0000,
2.1790

■ 161.4308,

■ 0.0000, 0.0000,

182.8152, 293.8002

0.6622

199.0119,
224.2722, 351.8276

■ 0.0000, 0.0000,
0.0000

■ 19.4877, 23.7523,
53.4267

■ 19.4877, 23.7523,
53.4267

■ 19.4865, 23.7497,
53.4268

■ 20.5041, 25.3792,
53.6876

■ 21.8205, 27.2069,
53.9710

■ 23.5346, 29.2866,
54.2821

■ 25.6960, 31.6444,
54.6233

■ 28.3466, 34.3025,
54.9967

■ 31.5232, 37.2804,
55.4040

■ 35.2592, 40.5957,
55.8470

■ 39.5848, 44.2645,
56.3272

■ 44.5281, 48.3019,
56.8460

Harmonies

Analogous

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



16.6695, 23.7523, 42.1828



19.4877, 23.7523, 53.4267



23.4872, 23.7523, 56.3944

Triad

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



19.4877, 23.7523, 53.4267



31.6072, 23.7523, 23.3710



18.1093, 23.7523, 11.3352

Complementary

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



19.4877, 23.7523, 53.4267



22.7973, 13.3239, 1.3714

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.



21.6883, 23.7523, 8.9948



19.4877, 23.7523, 53.4267



29.7347, 23.7523, 14.4100

Square

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



19.4877, 23.7523, 53.4267



30.8285, 23.7523, 36.2980



25.9741, 23.7523, 9.9130



15.9455, 23.7523, 17.6470

Rectangle

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



19.4877, 23.7523, 53.4267



26.3648, 23.7523, 52.6635



25.9741, 23.7523, 9.9130



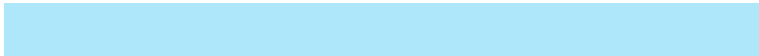
19.1685, 23.7523, 10.1646

Sweetspot

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



19.4885, 23.7531, 53.4273



63.5221, 73.2397, 101.1490



19.3845, 37.9136, 9.0961



12.9878, 15.1511, 21.6252



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.



19.4885, 23.7531, 53.4273



35.0977, 42.6120, 96.7354



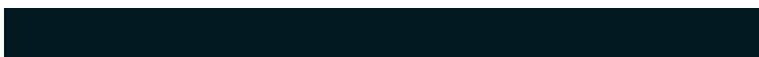
10.5733, 5.9225, 50.4555



10.1484, 10.9881, 12.8709



13.1765, 16.1095, 35.9716



0.6213, 0.8000, 1.5715

Inverse Universe

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



26.7731, 13.2211, 27.5271



48.4024, 23.9111, 49.3100



31.7136, 31.1565, 4.3435



10.3862, 10.2031, 12.1242



18.0469, 8.9085, 18.6907



0.8060, 0.3954, 0.9457

Previews

White Background



This preview shows how the XYZ color 19.4877, 23.7523, 53.4267 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 19.4877, 23.7523, 53.4267 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

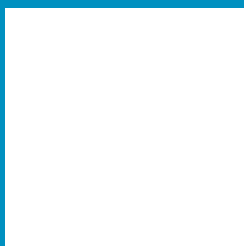
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4877, 23.7523, 53.4267

Background



This preview shows how black text looks on a background with the XYZ color 19.4877, 23.7523, 53.4267.

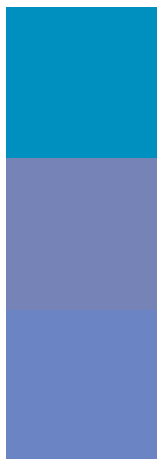


This preview shows how white text looks on a background with the XYZ color 19.4877, 23.7523,

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

19.4877, 23.7523, 53.4267

Protanopia

24.0310, 23.4616, 47.5179

Deuteranopia

24.1650, 23.5685, 54.9053



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

19.4877, 23.7523, 53.4267



Protanomaly

20.5687, 22.6493, 49.7420



Deuteranomaly

20.9257, 22.7323, 54.3238



Tritanomaly

17.7844, 23.8077, 42.1861

Monochromacy



Original Color

19.4877, 23.7523, 53.4267



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

13.5466, 16.4324, 26.1247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4877, 23.7523, 53.4267 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(0, 144, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 192)  
}
```

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(0, 144, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 192) }
```

Border

The CSS property to change the border of an element to XYZ 19.4877, 23.7523, 53.4267 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(0, 144, 192) }
```


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

```
.border{ border-color:rgb(0, 144, 192) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4877, 23.7523, 53.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 192) }
```

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

```
.background{ background-color: rgb(0, 144,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor