

Converting Colors

XYZ(22.1027, 23.3233, 49.8024)

Have a look what the booklet for
XYZ(22.1027, 23.3233, 49.8024)
contains.

XYZ(22.0411, 23.2003, 49.7708)	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(22.0411, 23.2003,
49.7708)**

Conversions

Conversions Part 1

Format	Color
Hex	5D87BA
RGB	93, 135, 186
RGB Percent	36%, 53%, 73%
CMY	0.6353, 0.4706, 0.2706
CMYK	0.50, 0.27, 0.00, 0.27
HSL	213°, 40%, 55%
HSV	213°, 50%, 73%
XYZ	22.0411, 23.2003, 49.7708
YIQ	128.2560, -41.4030, 6.9570

Conversions

Conversions Part 2

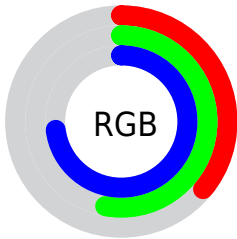
Format	Color
R_{YB}	93, 122, 186
Decimal	6129594
CIE _{Lab}	55.28, -0.05, -31.17
CIE _{LCh}	55, 31.171, 269.914
Yxy	23.2003, 0.2320, 0.2442
Android (android.graphics.Color)	4284319674 (0xFF5D87BA)
YUV	128.2560, 28.4678, -30.9195
Hunter-Lab	48.1667, -2.6100, -27.5479

Details

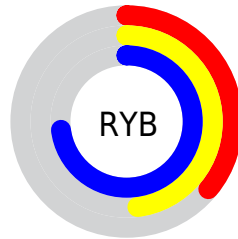
The XYZ color **22.0411, 23.2003, 49.7708** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **32.1995, 31.1769, 14.6775**, and the grayscale version is **20.5219, 21.5907, 23.5122**.

A 20% lighter version of the original color is **46.2230, 48.6731, 90.9630**, and **8.2546, 8.7064, 23.4357** is the 20% darker color. If you saturate the color by 10%, you get **19.0268, 19.6343, 49.2418**, and if you desaturate by 10%, it is **25.6512, 27.2767, 50.3678**.

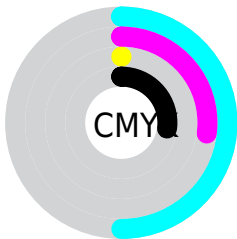
Distribution



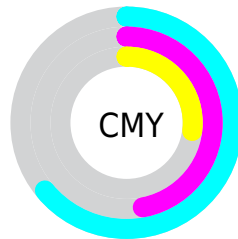
- Red (36%)
- Green (53%)
- Blue (73%)



- Red (36%)
- Yellow (48%)
- Blue (73%)



- Cyan (50%)
- Magenta (27%)
- Yellow (0%)
- Black (27%)



- Cyan (64%)
- Magenta (47%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0411, 23.2003, 49.7708 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 22.0411, 23.2003, 49.7708 by changing the saturation by 10% instead.

■ 22.0411, 23.2003,
49.7708

■ 22.0411, 23.2003,
49.7708

255.3892,
268.7521, 402.4783

■ 14.0039, 14.7415,
34.8614

■ 46.2923, 48.7220,
91.2280

■ 8.2051, 8.6381,
23.2734

■ 63.2369, 66.5537,
118.6129

■ 4.2794, 4.5059,
14.5883

■ 83.8814, 88.2784,
150.9934

■ 1.8614, 1.9604,
8.3876

■ 108.5911,
114.2807, 188.7879

■ 0.5542, 0.5843,
4.2526

137.7314,
144.9447, 232.4152

■ 0.0000, 0.0000,
1.7649

171.6676,

■ 0.0000, 0.0000,

180.6551, 282.2936

0.4047

210.7651,
221.7961, 338.8418

■ 0.0000, 0.0000,
0.0000

■ 22.0411, 23.2003,
49.7708

■ 22.0411, 23.2003,
49.7708

■ 19.0268, 19.6343,
49.2418

■ 25.6512, 27.2767,
50.3678

■ 16.5684, 16.5512,
48.7763

■ 29.8887, 31.8841,
51.0338

■ 14.6242, 13.9240,
48.3717

■ 34.7858, 37.0445,
51.7717

■ 13.1446, 11.7210,
48.0244

■ 40.3716, 42.7782,
52.5840

■ 12.0335, 9.8861,
47.7288

■ 46.6733, 49.1039,
53.4729

■ 12.0333, 9.8858,
47.7288

■ 53.7166, 56.0396,
54.4404

■ 61.5260, 63.6026,
55.4886

■ 70.1246, 71.8093,
56.6194

■ 77.5183, 79.6358,
57.7404

Harmonies

Analogous

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



18.8548, 23.2003, 45.8107



22.0411, 23.2003, 49.7708



25.5705, 23.2003, 45.8537

Triad

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



22.0411, 23.2003, 49.7708



28.3954, 23.2003, 16.8367



16.7386, 23.2003, 16.7985

Complementary

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



22.0411, 23.2003, 49.7708



32.1995, 31.1769, 14.6775

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.



18.8706, 23.2003, 11.9946



22.0411, 23.2003, 49.7708



25.5898, 23.2003, 12.0122

Square

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



22.0411, 23.2003, 49.7708



29.4669, 23.2003, 25.2901



22.0613, 23.2003, 10.5025



15.9974, 23.2003, 25.2323

Rectangle

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



22.0411, 23.2003, 49.7708



27.5951, 23.2003, 39.7707



22.0613, 23.2003, 10.5025



17.3045, 23.2003, 14.7950

Sweetspot

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



22.0419, 23.2011, 49.7714



67.7010, 71.9494, 94.5208



27.0015, 39.4167, 32.0140



14.4443, 15.3660, 20.7472



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.0419, 23.2011, 49.7714



33.9996, 34.9936, 89.1639



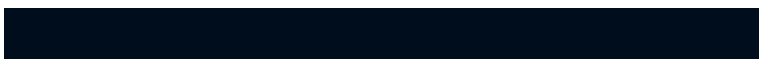
17.6125, 13.8671, 48.2032



8.8461, 9.3695, 11.4217



8.1684, 6.7965, 32.1344



0.3499, 0.3635, 1.1535

Inverse Universe

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



28.5379, 20.0180, 25.2822



47.5391, 30.0804, 37.7358



39.0399, 45.9637, 17.1711



9.1687, 9.0778, 10.2357



14.7367, 7.4684, 6.5003



0.5508, 0.2758, 0.3938

Previews

White Background



This preview shows how the XYZ color 22.0411, 23.2003, 49.7708 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 22.0411, 23.2003, 49.7708 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 22.0411, 23.2003, 49.7708

Background



This preview shows how black text looks on a background with the XYZ color 22.0411, 23.2003, 49.7708.



This preview shows how white text looks on a background with the XYZ color 22.0411, 23.2003,

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

22.0411, 23.2003, 49.7708

Protanopia

23.6286, 23.0557, 47.4608

Deuteranopia

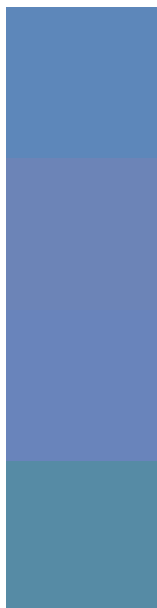
23.7680, 23.2652, 50.2516



Tritanopia

18.7543, 23.1435, 33.6157

Trichromacy



Original Color

22.0411, 23.2003, 49.7708

Protanomaly

22.9828, 23.1096, 48.0490

Deuteranomaly

23.0466, 23.0936, 50.2565

Tritanomaly

19.8619, 23.1603, 39.0209

Monochromacy



Original Color

22.0411, 23.2003, 49.7708

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6113, 22.0474, 31.6030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0411, 23.2003, 49.7708 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(93, 135, 186)` looks like.

```
.text, #text, p{  
    color:rgb(93, 135, 186)  
}
```

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(93, 135, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 135, 186) }
```

Border

The CSS property to change the border of an element to XYZ 22.0411, 23.2003, 49.7708 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(93, 135, 186) }
```


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

```
.border{ border-color:rgb(93, 135, 186) }
```

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

Here you see how a box with a 4 pixel rgb(93, 135, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 135, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 135, 186);  
box-shadow:4px 4px 4px 4px rgb(93, 135,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0411, 23.2003, 49.7708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 135, 186) }
```

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

```
.background{ background-color: rgb(93, 135,  
186) }
```

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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