

Converting Colors

XYZ(22.3833, 26.8584, 49.1327)

Have a look what the booklet for
XYZ(22.3833, 26.8584, 49.1327)
contains.

XYZ(22.4660, 27.0104, 49.3768)	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(22.4660, 27.0104,
49.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	4997B8
RGB	73, 151, 184
RGB Percent	29%, 59%, 72%
CMY	0.7137, 0.4078, 0.2784
CMYK	0.60, 0.18, 0.00, 0.28
HSL	198°, 44%, 50%
HSV	198°, 60%, 72%
XYZ	22.4660, 27.0104, 49.3768
YIQ	131.4400, -57.0810, -6.2730

Conversions

Conversions Part 2

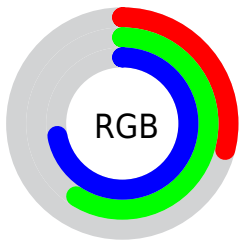
Format	Color
R_{YB}	73, 119, 184
Decimal	4822968
CIE _{Lab}	58.98, -14.06, -24.37
CIE _{LCh}	59, 28.138, 240.023
Yxy	27.0104, 0.2273, 0.2732
Android (android.graphics.Color)	4283013048 (0xFF4997B8)
YUV	131.4400, 25.9121, -51.2519
Hunter-Lab	51.9715, -13.7891, -19.9498

Details

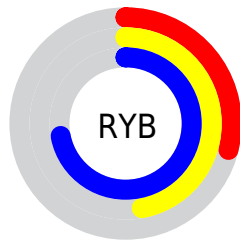
The XYZ color **22.4660, 27.0104, 49.3768** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.1246, 20.9805, 8.9771**, and the grayscale version is **21.6565, 22.7843, 24.8121**.

A 20% lighter version of the original color is **46.9196, 54.7792, 90.5386**, and **8.6539, 10.7530, 23.0922** is the 20% darker color. If you saturate the color by 10%, you get **20.4127, 24.6756, 49.0349**, and if you desaturate by 10%, it is **24.9743, 29.6414, 49.7530**.

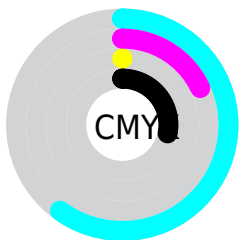
Distribution



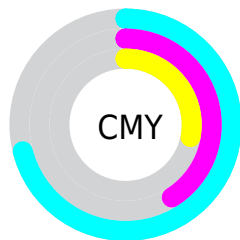
- Red (29%)
- Green (59%)
- Blue (72%)



- Red (29%)
- Yellow (47%)
- Blue (72%)



- Cyan (60%)
- Magenta (18%)
- Yellow (0%)
- Black (28%)



- Cyan (71%)
- Magenta (41%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4660, 27.0104, 49.3768 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 22.4660, 27.0104, 49.3768 by changing the saturation by 10% instead.

■ 22.4660, 27.0104,
49.3768

■ 22.4660, 27.0104,
49.3768

257.5571,
287.7075, 400.8888

■ 14.3182, 17.5810,
34.5508

■ 46.9881, 54.9006,
90.6376

■ 8.4255, 10.6496,
23.0363

■ 64.0932, 74.1301,
117.9095

■ 4.4225, 5.8317,
14.4147

■ 84.9148, 97.3952,
150.1670

■ 1.9438, 2.7430,
8.2676

■ 109.8181,
125.0803, 187.8287

■ 0.6021, 0.9991,
4.1765

■ 139.1687,
157.5696, 231.3133

■ 0.0000, 0.0000,
1.7226

173.3318,

■ 0.0000, 0.0000,

195.2477, 281.0391

0.3762

212.6729,
238.4988, 337.4248

■ 0.0000, 0.0000,
0.0000

■ 22.4660, 27.0104,
49.3768

■ 22.4660, 27.0104,
49.3768

■ 20.4127, 24.6756,
49.0349

■ 24.9743, 29.6414,
49.7530

■ 18.7737, 22.6137,
48.7233

■ 27.9684, 32.5838,
50.1631

■ 17.5047, 20.8016,
48.4404

■ 31.4795, 35.8550,
50.6094

■ 16.5414, 19.2398,
48.1897

■ 35.5352, 39.4699,
51.0934

■ 40.1610, 43.4425,
51.6164

■ 45.3810, 47.7858,
52.1796

■ 51.2176, 52.5123,
52.7843

■ 57.6920, 57.6335,
53.4315

■ 64.8245, 63.1605,
54.1225

Harmonies

Analogous

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



20.2938, 27.0104, 40.1021



22.4660, 27.0104, 49.3768



25.6753, 27.0104, 53.0952

Triad

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



22.4660, 27.0104, 49.3768



32.9783, 27.0104, 29.4020



22.4617, 27.0104, 15.7198

Complementary

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



22.4660, 27.0104, 49.3768



26.1246, 20.9805, 8.9771

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.



25.6699, 27.0104, 14.0832



22.4660, 27.0104, 49.3768



31.9266, 27.0104, 20.8100

Square

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



22.4660, 27.0104, 49.3768



31.9297, 27.0104, 40.0857



29.1706, 27.0104, 15.7147



20.2915, 27.0104, 20.8206

Rectangle

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



22.4660, 27.0104, 49.3768



28.0375, 27.0104, 51.3927



29.1706, 27.0104, 15.7147



23.4445, 27.0104, 14.8056

Sweetspot

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



22.4669, 27.0114, 49.3775



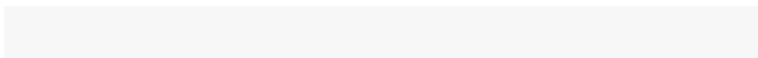
66.0273, 72.9523, 92.8058



22.4106, 36.7068, 19.1220



13.7397, 15.2957, 19.9498



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.4669, 27.0114, 49.3775



36.0733, 43.6047, 88.7199



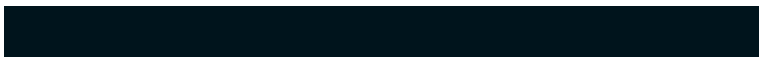
15.6797, 13.4369, 47.1150



9.0351, 9.7475, 11.4847



11.4640, 13.3876, 33.2329



0.4553, 0.5742, 1.1886

Inverse Universe

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



27.7364, 17.1907, 31.1354



46.9668, 26.1487, 50.3702



33.5326, 35.7965, 11.4464



9.2641, 9.1160, 10.7381



16.4002, 8.1338, 15.2599



0.6040, 0.2971, 0.6739

Previews

White Background



This preview shows how the XYZ color 22.4660, 27.0104, 49.3768 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 22.4660, 27.0104, 49.3768 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 22.4660, 27.0104, 49.3768

Background



This preview shows how black text looks on a background with the XYZ color 22.4660, 27.0104, 49.3768.

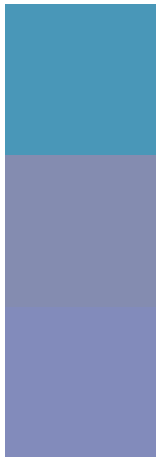


This preview shows how white text looks on a background with the XYZ color 22.4660, 27.0104,

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

22.4660, 27.0104, 49.3768

Protanopia

26.7303, 26.7963, 44.8377

Deuteranopia

27.4082, 26.7989, 50.7419



Tritanopia

20.7106, 27.0250, 40.6840

Trichromacy



Original Color

22.4660, 27.0104, 49.3768

Protanomaly

24.6655, 26.5807, 46.4784

Deuteranomaly

24.9921, 26.4413, 50.2408

Tritanomaly

21.3180, 27.0285, 43.6286

Monochromacy



Original Color

22.4660, 27.0104, 49.3768

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.0239, 23.6940, 32.3195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4660, 27.0104, 49.3768 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(73, 151, 184)` looks like.

```
.text, #text, p{  
    color:rgb(73, 151, 184)  
}
```

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(73, 151, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 151, 184) }
```

Border

The CSS property to change the border of an element to XYZ 22.4660, 27.0104, 49.3768 is called "border". The border property can be set on classes, ids or directly on the HTML element.

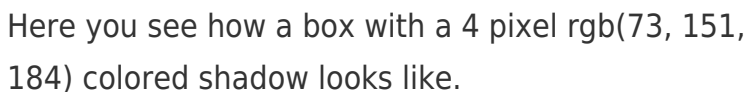
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(73, 151, 184) }
```


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

```
.border{ border-color:rgb(73, 151, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(73, 151, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 151, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 151, 184); box-shadow:4px 4px 4px 4px rgb(73, 151, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4660, 27.0104, 49.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 151, 184) }
```

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

```
.background{ background-color: rgb(73, 151,  
184) }
```

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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