

Converting Colors

XYZ(20.6447, 27.5412, 42.3112)

Have a look what the booklet for
XYZ(20.6447, 27.5412, 42.3112)
contains.

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Color

**XYZ(20.5603, 27.4093,
42.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	349CAA
RGB	52, 156, 170
RGB Percent	20%, 61%, 67%
CMY	0.7961, 0.3882, 0.3333
CMYK	0.69, 0.08, 0.00, 0.33
HSL	187°, 53%, 44%
HSV	187°, 69%, 67%
XYZ	20.5603, 27.4093, 42.2371
YIQ	126.5000, -66.4780, -17.6940

Conversions

Conversions Part 2

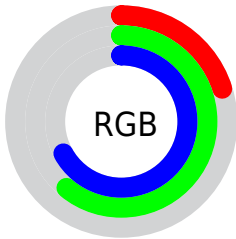
Format	Color
RYB	52, 107, 170
Decimal	3447978
CIELab	59.35, -24.64, -15.95
CIELCh	59, 29.352, 212.905
Yxy	27.4093, 0.2279, 0.3038
Android (android.graphics.Color)	4281638058 (0xFF349CAA)
YUV	126.5000, 21.4455, -65.3365
Hunter-Lab	52.3539, -21.5192, -11.1852

Details

The XYZ color **20.5603, 27.4093, 42.2371** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.1462, 12.6911, 4.6900**, and the grayscale version is **19.9478, 20.9867, 22.8545**.

A 20% lighter version of the original color is **43.8243, 55.6022, 79.6567**, and **8.2203, 11.2086, 18.8698** is the 20% darker color. If you saturate the color by 10%, you get **19.5024, 26.3662, 42.0920**, and if you desaturate by 10%, it is **21.9406, 28.6281, 42.4001**.

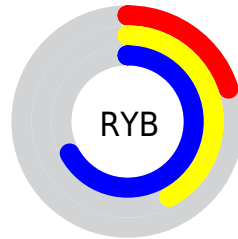
Distribution



Red (20%)

Green (61%)

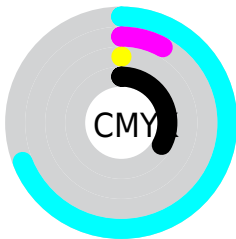
Blue (67%)



Red (20%)

Yellow (42%)

Blue (67%)

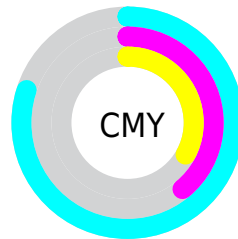


Cyan (69%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (80%)

Magenta (39%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5603, 27.4093, 42.2371 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 20.5603, 27.4093, 42.2371 by changing the saturation by 10% instead.

■ 20.5603, 27.4093,
42.2371

■ 20.5603, 27.4093,
42.2371

247.7086,
289.6335, 371.2935

■ 12.9136, 17.8809,
28.9600

■ 43.8514, 55.5400,
79.8323

■ 7.4457, 10.8645,
18.8053

■ 60.2265, 74.9110,
104.9875

■ 3.7911, 5.9758,
11.3543

■ 80.2418, 98.3316,
134.9392

■ 1.5847, 2.8304,
6.1885

■ 104.2627,
126.1863, 170.1059

■ 0.3824, 1.0438,
2.8894

■ 132.6544,
158.8595, 210.9061

■ 0.0000, 0.0000,
1.0384

165.7824,

■ 0.0000, 0.0000,

196.7354, 257.7584

0.0000

204.0120,
240.1986, 311.0814

■ 20.5603, 27.4093,
42.2371

■ 20.5603, 27.4093,
42.2371

■ 19.5024, 26.3662,
42.0920

■ 21.9406, 28.6281,
42.4001

■ 18.7285, 25.4773,
41.9612

■ 23.6712, 30.0352,
42.5805

■ 18.1671, 24.7062,
41.8420

■ 25.7797, 31.6456,
42.7802

■ 18.1355, 24.6617,
41.8351

■ 28.2904, 33.4718,
43.0004

■ 31.2254, 35.5252,
43.2420

■ 34.6052, 37.8165,
43.5061

■ 38.4491, 40.3556,
43.7936

■ 42.7751, 43.1518,
44.1054

■ 47.6003, 46.2141,
44.4421

Harmonies

Analogous

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



19.6152, 27.4093, 30.8812



20.5603, 27.4093, 42.2371



22.9653, 27.4093, 51.7174

Triad

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



20.5603, 27.4093, 42.2371



32.8592, 27.4093, 40.0378



25.6953, 27.4093, 13.8574

Complementary

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



20.5603, 27.4093, 42.2371



19.1462, 12.6911, 4.6900

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.



29.4029, 27.4093, 15.2151



20.5603, 27.4093, 42.2371



33.7616, 27.4093, 28.8305

Square

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



20.5603, 27.4093, 42.2371



30.0802, 27.4093, 50.2522



32.4430, 27.4093, 20.1486



22.4000, 27.4093, 15.8788

Rectangle

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



20.5603, 27.4093, 42.2371



25.1891, 27.4093, 54.7543



32.4430, 27.4093, 20.1486



26.9338, 27.4093, 13.9349

Sweetspot

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



20.5612, 27.4103, 42.2378



55.5413, 63.6875, 78.3675



16.7681, 29.8707, 10.0009



12.0604, 13.9761, 17.4497



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.5612, 27.4103, 42.2378



34.6089, 46.9833, 76.2465



12.9689, 12.2259, 39.7070



7.6705, 8.3779, 9.6312



13.3671, 18.1945, 30.7829



0.3458, 0.4839, 0.7558

Inverse Universe

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



23.8070, 13.4031, 32.7859



41.1882, 21.0443, 56.5376



24.5022, 23.4031, 6.4753



7.8030, 7.6511, 9.2799



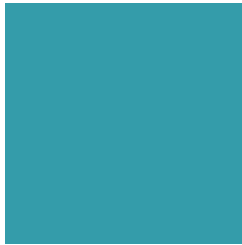
16.2477, 7.9078, 21.9138



0.4057, 0.1966, 0.5880

Previews

White Background



This preview shows how the XYZ color 20.5603, 27.4093, 42.2371 looks on a white background.

Color Contrast Check

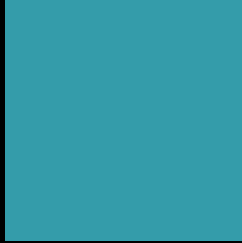
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5603, 27.4093, 42.2371 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

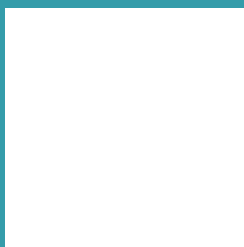
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5603, 27.4093, 42.2371

Background



This preview shows how black text looks on a background with the XYZ color 20.5603, 27.4093, 42.2371.

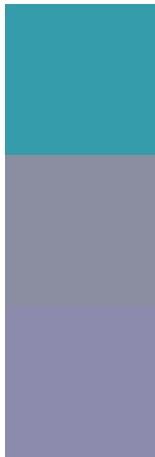


This preview shows how white text looks on a background with the XYZ color 20.5603, 27.4093,

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

20.5603, 27.4093, 42.2371

Protanopia

26.5175, 27.0768, 37.0864

Deuteranopia

27.6878, 27.0967, 43.8153



Tritanopia

20.4151, 27.3453, 41.7383

Trichromacy



Original Color

20.5603, 27.4093, 42.2371

Protanomaly

23.0431, 26.3639, 38.9962

Deuteranomaly

23.8526, 26.4561, 43.3845

Tritanomaly

20.4151, 27.3453, 41.7383

Monochromacy



Original Color

20.5603, 27.4093, 42.2371

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.3019, 22.8695, 29.3835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5603, 27.4093, 42.2371 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(52, 156, 170)` looks like.

```
.text, #text, p{  
    color:rgb(52, 156, 170)  
}
```

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(52, 156, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 156, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.5603, 27.4093, 42.2371 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(52, 156, 170) }
```


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

```
.border{ border-color:rgb(52, 156, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 156, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 156, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 156, 170);  
box-shadow:4px 4px 4px 4px rgb(52, 156,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5603, 27.4093, 42.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 156, 170) }
```

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

```
.background{ background-color: rgb(52, 156,  
170) }
```

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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