

Converting Colors

XYZ(20.3440, 27.3867, 46.2826)

Have a look what the booklet for
XYZ(20.3440, 27.3867, 46.2826)
contains.

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Color

**XYZ(20.4021, 27.4877,
46.3498)**

Conversions

Conversions Part 1

Format	Color
Hex	159DB2
RGB	21, 157, 178
RGB Percent	8%, 62%, 70%
CMY	0.9176, 0.3843, 0.3020
CMYK	0.88, 0.12, 0.00, 0.30
HSL	188°, 79%, 39%
HSV	188°, 88%, 70%
XYZ	20.4021, 27.4877, 46.3498
YIQ	118.7300, -87.7970, -22.3010

Conversions

Conversions Part 2

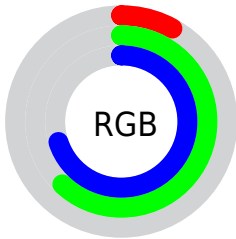
Format	Color
R_{YB}	21, 94, 178
Decimal	1416626
CIE _{Lab}	59.42, -25.72, -20.41
CIE _{LCh}	59, 32.838, 218.429
Yxy	27.4877, 0.2165, 0.2917
Android (android.graphics.Color)	4279606706 (0xFF159DB2)
YUV	118.7300, 29.2201, -85.7092
Hunter-Lab	52.4287, -22.2888, -15.7154

Details

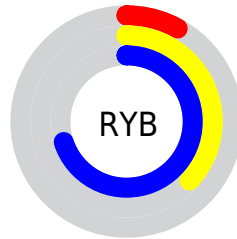
The XYZ color **20.4021, 27.4877, 46.3498** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.3245, 11.1766, 1.8492**, and the grayscale version is **17.3821, 18.2873, 19.9149**.

A 20% lighter version of the original color is **43.6503, 55.7368, 86.2996**, and **8.7532, 11.5838, 21.1766** is the 20% darker color. If you saturate the color by 10%, you get **19.7347, 26.5519, 46.2049**, and if you desaturate by 10%, it is **21.3300, 28.5705, 46.5104**.

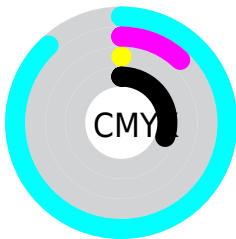
Distribution



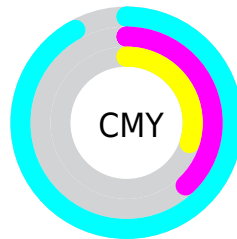
- Red (8%)
- Green (62%)
- Blue (70%)



- Red (8%)
- Yellow (37%)
- Blue (70%)



- Cyan (88%)
- Magenta (12%)
- Yellow (0%)
- Black (30%)



- Cyan (92%)
- Magenta (38%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4021, 27.4877, 46.3498 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 20.4021, 27.4877, 46.3498 by changing the saturation by 10% instead.

20.4021, 27.4877,
46.3498

20.4021, 27.4877,
46.3498

246.8760,
290.0108, 388.5315

12.7976, 17.9398,
32.1713

43.5891, 55.6655,
86.0821

7.3654, 10.9068,
21.2265

59.9024, 75.0642,
112.4729

3.7400, 6.0042,
13.0968

79.8493, 98.5153,
143.7715

1.5561, 2.8476,
7.3637

103.7952,
126.4032, 180.3966

0.3635, 1.0527,
3.6087

132.1055,
159.1123, 222.7666

0.0000, 0.0000,
1.4132

165.1455,

0.0000, 0.0000,

197.0270, 271.3000

0.1520

203.2805,
240.5317, 326.4155

■ 0.0000, 0.0000,
0.0000

■ 20.4021, 27.4877,
46.3498

■ 20.4021, 27.4877,
46.3498

■ 19.7347, 26.5519,
46.2049

■ 21.3300, 28.5705,
46.5104

■ 19.6230, 26.3885,
46.1792

■ 22.5806, 29.8308,
46.6878

■ 24.1940, 31.2899,
46.8844

■ 26.2038, 32.9653,
47.1018

■ 28.6397, 34.8722,
47.3415

■ 31.5286, 37.0246,
47.6047

■ 34.8950, 39.4353,
47.8926

■ 38.7618, 42.1160,
48.2062

■ 43.1503, 45.0777,
48.5466

Harmonies

Analogous

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



19.0513, 27.4877, 33.3777



20.4021, 27.4877, 46.3498



23.3223, 27.4877, 56.3543

Triad

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



20.4021, 27.4877, 46.3498



34.2020, 27.4877, 39.0632



24.9828, 27.4877, 12.6369

Complementary

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



20.4021, 27.4877, 46.3498



19.3245, 11.1766, 1.8492

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.



29.1463, 27.4877, 13.4079



20.4021, 27.4877, 46.3498



34.7662, 27.4877, 26.7272

Square

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



20.4021, 27.4877, 46.3498



31.3624, 27.4877, 51.4367



32.8319, 27.4877, 17.9329



21.5079, 27.4877, 15.4495

Rectangle

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



20.4021, 27.4877, 46.3498



25.9098, 27.4877, 58.7971



32.8319, 27.4877, 17.9329



26.3438, 27.4877, 12.5043

Sweetspot

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



20.4030, 27.4887, 46.3505



58.1739, 67.8680, 86.4149



16.6473, 32.1676, 7.5175



12.4589, 14.7227, 19.1074



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.4030, 27.4887, 46.3505



35.4614, 47.6067, 83.7012



11.1114, 8.9056, 43.2533



8.6438, 9.4338, 10.8717



14.0736, 18.9475, 33.0525



0.4695, 0.6496, 1.0489

Inverse Universe

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



24.7148, 12.4366, 32.9971



43.8387, 21.3817, 57.0806



25.2655, 23.0587, 3.8296



8.8002, 8.6268, 10.4460



17.3383, 8.4529, 22.7395



0.5590, 0.2714, 0.7865

Previews

White Background



This preview shows how the XYZ color 20.4021, 27.4877, 46.3498 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 20.4021, 27.4877, 46.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

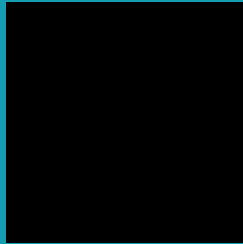
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4021, 27.4877, 46.3498

Background



This preview shows how black text looks on a background with the XYZ color 20.4021, 27.4877, 46.3498.



This preview shows how white text looks on a background with the XYZ color 20.4021, 27.4877,

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

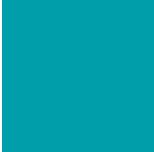
20.4021, 27.4877, 46.3498

Protanopia

26.8165, 27.1581, 40.3879

Deuteranopia

27.8133, 27.2845, 48.0565



Tritanopia

19.5775, 27.3940, 42.7838

Trichromacy



Original Color

20.4021, 27.4877, 46.3498

Protanomaly

22.5037, 26.2406, 42.4069

Deuteranomaly

23.2355, 26.2736, 47.5627

Tritanomaly

19.9670, 27.5613, 44.3119

Monochromacy



Original Color

20.4021, 27.4877, 46.3498

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.6884, 20.5075, 27.8897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4021, 27.4877, 46.3498 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(21, 157, 178)` looks like.

```
.text, #text, p{  
    color:rgb(21, 157, 178)  
}
```

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(21, 157, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 157, 178) }
```

Border

The CSS property to change the border of an element to XYZ 20.4021, 27.4877, 46.3498 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(21, 157, 178) }
```


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

```
.border{ border-color:rgb(21, 157, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 157, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 157, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 157, 178);  
box-shadow:4px 4px 4px 4px rgb(21, 157,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4021, 27.4877, 46.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 157, 178) }
```

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

```
.background{ background-color: rgb(21, 157,  
178) }
```

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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