

Converting Colors

XYZ(20.6878, 26.0171, 41.9616)

Have a look what the booklet for
XYZ(20.6878, 26.0171, 41.9616)
contains.

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Color

**XYZ(20.6878, 26.0171,
41.9616)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4696AA |
| RGB | 70, 150, 170 |
| RGB Percent | 27%, 59%, 67% |
| CMY | 0.7255, 0.4118, 0.3333 |
| CMYK | 0.59, 0.12, 0.00, 0.33 |
| HSL | 192°, 42%, 47% |
| HSV | 192°, 59%, 67% |
| XYZ | 20.6878, 26.0171, 41.9616 |
| YIQ | 128.3600, -54.1000, -10.7400 |

Conversions

Conversions Part 2

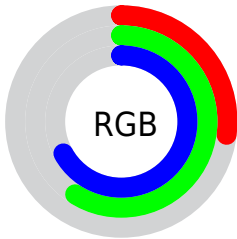
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 70, 114, 170 |
| Decimal | 4626090 |
| CIELab | 58.05, -18.43, -17.87 |
| CIElCh | 58, 25.668, 224.111 |
| Yxy | 26.0171, 0.2333, 0.2934 |
| Android (android.graphics.Color) | 4282816170 (0xFF4696AA) |
| YUV | 128.3600, 20.5285, -51.1817 |
| Hunter-Lab | 51.0070, -16.8648, -13.0709 |

Details

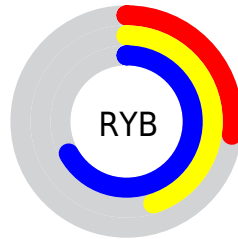
The XYZ color **20.6878, 26.0171, 41.9616** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.3398, 16.3012, 7.8168**, and the grayscale version is **20.5879, 21.6601, 23.5879**.

A 20% lighter version of the original color is **43.9359, 53.1340, 79.1744**, and **7.7319, 10.2317, 18.7069** is the 20% darker color. If you saturate the color by 10%, you get **19.0962, 24.4034, 41.7345**, and if you desaturate by 10%, it is **22.6439, 27.8432, 42.2115**.

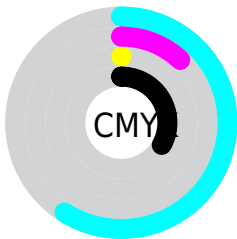
Distribution



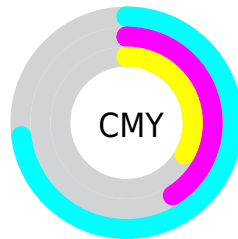
- Red (27%)
- Green (59%)
- Blue (67%)



- Red (27%)
- Yellow (45%)
- Blue (67%)



- Cyan (59%)
- Magenta (12%)
- Yellow (0%)
- Black (33%)



- Cyan (73%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6878, 26.0171, 41.9616 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 20.6878, 26.0171, 41.9616 by changing the saturation by 10% instead.

■ 20.6878, 26.0171,
41.9616

■ 20.6878, 26.0171,
41.9616

248.3779,
282.8660, 370.1187

■ 13.0071, 16.8364,
28.7459

■ 44.0626, 53.3025,
79.4110

■ 7.5105, 10.1179,
18.6447

■ 60.4874, 72.1761,
104.4817

■ 3.8325, 5.4772,
11.2397

■ 80.5576, 95.0494,
134.3412

■ 1.6078, 2.5299,
6.1121

■ 104.6387,
122.3068, 169.4079

■ 0.3975, 0.8916,
2.8435

■ 133.0959,
154.3328, 210.1005

■ 0.0000, 0.0000,
1.0153

166.2946,

■ 0.0000, 0.0000,

191.5118, 256.8375

0.0000

204.6001,
234.2280, 310.0374

■ 20.6878, 26.0171,
41.9616

■ 20.6878, 26.0171,
41.9616

■ 19.0962, 24.4034,
41.7345

■ 22.6439, 27.8432,
42.2115

■ 17.8364, 22.9833,
41.5268

■ 24.9888, 29.8927,
42.4835

■ 16.8737, 21.7395,
41.3374

■ 27.7474, 32.1793,
42.7794

■ 16.1419, 20.6373,
41.1633

■ 30.9421, 34.7146,
43.1004

■ 16.0603, 20.5113,
41.1433

■ 34.5933, 37.5094,
43.4474

■ 38.7202, 40.5738,
43.8214

■ 43.3410, 43.9172,
44.2232

■ 48.4727, 47.5487,
44.6537

■ 54.1316, 51.4769,
45.1136

Harmonies

Analogous

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



19.3824, 26.0171, 32.7009



20.6878, 26.0171, 41.9616



23.1309, 26.0171, 48.1421

Triad

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



20.6878, 26.0171, 41.9616



30.9212, 26.0171, 33.2678



23.3024, 26.0171, 14.7795

Complementary

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



20.6878, 26.0171, 41.9616



21.3398, 16.3012, 7.8168

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.



26.3979, 26.0171, 14.8686



20.6878, 26.0171, 41.9616



30.9769, 26.0171, 24.3638

Square

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



20.6878, 26.0171, 41.9616



29.1175, 26.0171, 42.4508



29.2637, 26.0171, 18.0228



20.8043, 26.0171, 17.7468

Rectangle

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



20.6878, 26.0171, 41.9616



25.1586, 26.0171, 49.0143



29.2637, 26.0171, 18.0228



24.3033, 26.0171, 14.4760

Sweetspot

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



20.6886, 26.0181, 41.9622



56.4486, 63.2251, 78.2304



18.6764, 30.7622, 14.2592



12.1998, 13.7959, 17.4076



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.



20.6886, 26.0181, 41.9622



33.7901, 43.3454, 75.5875



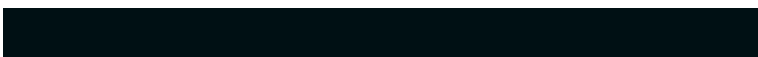
14.5009, 13.6425, 39.8996



7.6182, 8.2734, 9.6137



11.8537, 15.1677, 30.2784



0.3199, 0.4321, 0.7472

Inverse Universe

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



24.2734, 15.1291, 30.4961



41.2632, 22.9438, 51.1692



26.8200, 27.2617, 9.6435



7.7766, 7.6405, 9.1410



15.4838, 7.6022, 17.8912



0.3926, 0.1913, 0.5191

Previews

White Background



This preview shows how the XYZ color 20.6878, 26.0171, 41.9616 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 20.6878, 26.0171, 41.9616 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

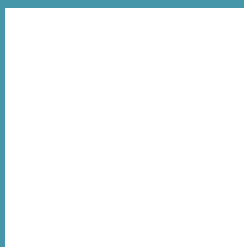
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6878, 26.0171, 41.9616

Background



This preview shows how black text looks on a background with the XYZ color 20.6878, 26.0171, 41.9616.



This preview shows how white text looks on a background with the XYZ color 20.6878, 26.0171,

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

20.6878, 26.0171, 41.9616

Protanopia

25.4416, 25.8539, 37.8318

Deuteranopia

26.3387, 25.7763, 43.1223



Tritanopia

19.9922, 25.9709, 38.6095

Trichromacy



Original Color

20.6878, 26.0171, 41.9616

Protanomaly

23.0201, 25.4421, 39.2948

Deuteranomaly

23.5268, 25.4078, 42.6939

Tritanomaly

20.3334, 26.1153, 40.0455

Monochromacy



Original Color

20.6878, 26.0171, 41.9616

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.8255, 22.7173, 29.3266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6878, 26.0171, 41.9616 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(70, 150, 170)` looks like.

```
.text, #text, p{  
    color:rgb(70, 150, 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(70, 150, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 150, 170) }
```

Border

The CSS property to change the border of an element to XYZ 20.6878, 26.0171, 41.9616 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(70, 150, 170) }
```


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

```
.border{ border-color:rgb(70, 150, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 150, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 150, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 150, 170);  
box-shadow:4px 4px 4px 4px rgb(70, 150,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6878, 26.0171, 41.9616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 150, 170) }
```

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

```
.background{ background-color: rgb(70, 150,  
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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