

Converting Colors

XYZ(20.4617, 27.0948, 47.6986)

Have a look what the booklet for
XYZ(20.4617, 27.0948, 47.6986)
contains.

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Color

**XYZ(20.4152, 26.9610,
47.8441)**

Conversions

Conversions Part 1

Format	Color
Hex	179BB5
RGB	23, 155, 181
RGB Percent	9%, 61%, 71%
CMY	0.9097, 0.3921, 0.2902
CMYK	0.87, 0.14, 0.00, 0.29
HSL	190°, 77%, 40%
HSV	190°, 87%, 71%
XYZ	20.4152, 26.9610, 47.8441
YIQ	118.4960, -87.0180, -19.8980

Conversions

Conversions Part 2

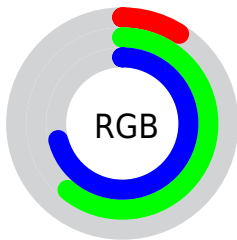
Format	Color
R_{YB}	23, 95, 181
Decimal	1547189
CIE _{Lab}	58.94, -23.57, -22.85
CIE _{LCh}	59, 32.825, 224.106
Yxy	26.9610, 0.2144, 0.2831
Android (android.graphics.Color)	4279737269 (0xFF179BB5)
YUV	118.4960, 30.8145, -83.7500
Hunter-Lab	51.9240, -20.6853, -18.2846

Details

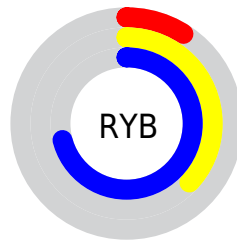
The XYZ color **20.4152, 26.9610, 47.8441** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.3103, 12.0841, 2.0737**, and the grayscale version is **17.3035, 18.2047, 19.8249**.

A 20% lighter version of the original color is **43.6995, 54.9743, 88.4287**, and **8.7465, 11.2590, 22.1343** is the 20% darker color. If you saturate the color by 10%, you get **19.6342, 25.8320, 47.6679**, and if you desaturate by 10%, it is **21.4834, 28.2573, 48.0385**.

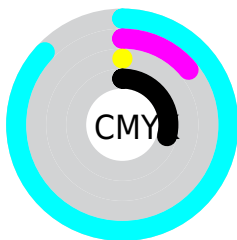
Distribution



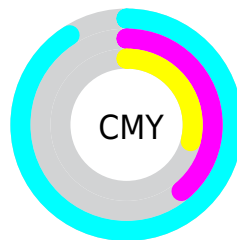
- Red (9%)
- Green (61%)
- Blue (71%)



- Red (9%)
- Yellow (37%)
- Blue (71%)



- Cyan (87%)
- Magenta (14%)
- Yellow (0%)
- Black (29%)



- Cyan (91%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4152, 26.9610, 47.8441 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 20.4152, 26.9610, 47.8441 by changing the saturation by 10% instead.

■ 20.4152, 26.9610,
47.8441

■ 20.4152, 26.9610,
47.8441

246.9450,
287.4682, 394.6647

■ 12.8072, 17.5439,
33.3443

■ 43.6109, 54.8213,
88.3354

■ 7.3720, 10.6231,
22.1171

■ 59.9293, 74.0333,
115.1640

■ 3.7442, 5.8140,
13.7438

■ 79.8818, 97.2791,
146.9392

■ 1.5585, 2.7323,
7.8060

■ 103.8340,
124.9430, 184.0797

■ 0.3651, 0.9936,
3.8851

■ 132.1510,
157.4095, 227.0040

■ 0.0000, 0.0000,
1.5625

165.1983,

■ 0.0000, 0.0000,

195.0629, 276.1305

0.2639

203.3412,
238.2877, 331.8779

■ 0.0000, 0.0000,
0.0000

■ 20.4152, 26.9610,
47.8441

■ 20.4152, 26.9610,
47.8441

■ 19.6342, 25.8320,
47.6679

■ 21.4834, 28.2573,
48.0385

■ 19.4416, 25.5382,
47.6213

■ 22.8952, 29.7484,
48.2519

■ 24.6916, 31.4562,
48.4869

■ 26.9073, 33.3988,
48.7451

■ 29.5731, 35.5920,
49.0279

■ 32.7168, 38.0504,
49.3367

■ 36.3637, 40.7871,
49.6727

■ 40.5376, 43.8145,
50.0371

■ 45.2606, 47.1441,
50.4309

Harmonies

Analogous

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



18.7709, 26.9610, 35.1535



20.4152, 26.9610, 47.8441



23.5451, 26.9610, 56.5614

Triad

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



20.4152, 26.9610, 47.8441



33.8978, 26.9610, 35.9197



23.7684, 26.9610, 12.5638

Complementary

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



20.4152, 26.9610, 47.8441



20.3103, 12.0841, 2.0737

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.



27.8253, 26.9610, 12.6667



20.4152, 26.9610, 47.8441



33.9739, 26.9610, 24.2336

Square

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



20.4152, 26.9610, 47.8441



31.4567, 26.9610, 48.5312



31.6548, 26.9610, 16.3749



20.5637, 26.9610, 16.0425

Rectangle

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



20.4152, 26.9610, 47.8441



26.1891, 26.9610, 57.8060



31.6548, 26.9610, 16.3749



25.0703, 26.9610, 12.2165

Sweetspot

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



20.4161, 26.9620, 47.8448



59.1120, 68.5421, 88.4090



17.3853, 33.4335, 8.1966



12.3354, 14.4759, 19.0662



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.



20.4161, 26.9620, 47.8448



34.6756, 45.4510, 85.2399



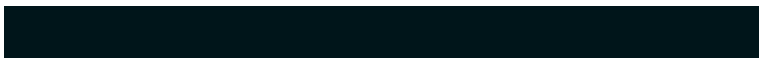
11.4412, 9.0122, 44.8531



8.6213, 9.3887, 10.8641



13.4455, 17.6914, 32.8431



0.4547, 0.6199, 1.0439

Inverse Universe

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



25.2797, 12.8041, 32.1502



44.0918, 21.5793, 54.0607



26.6347, 24.7330, 4.1819



8.7888, 8.6222, 10.3861



17.0213, 8.3261, 21.0701



0.5515, 0.2684, 0.7470

Previews

White Background



This preview shows how the XYZ color 20.4152, 26.9610, 47.8441 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 20.4152, 26.9610, 47.8441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

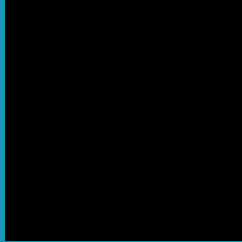
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4152, 26.9610, 47.8441

Background



This preview shows how black text looks on a background with the XYZ color 20.4152, 26.9610, 47.8441.

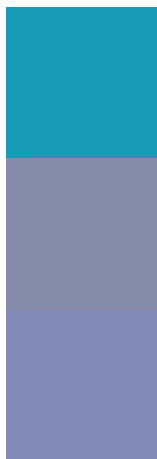


This preview shows how white text looks on a background with the XYZ color 20.4152, 26.9610,

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

20.4152, 26.9610, 47.8441

Protanopia

26.4653, 26.7268, 41.7941

Deuteranopia

27.3496, 26.7933, 49.6291



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



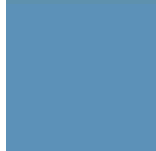
Original Color

20.4152, 26.9610, 47.8441



Protanomaly

22.3815, 25.6865, 43.8228



Deuteranomaly

23.1908, 25.9868, 49.1411



Tritanomaly

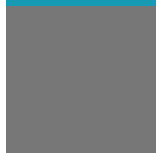
19.5314, 26.8457, 43.6875

Monochromacy



Original Color

20.4152, 26.9610, 47.8441



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.7899, 20.3403, 28.6323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4152, 26.9610, 47.8441 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(23, 155, 181)` looks like.

```
.text, #text, p{  
    color:rgb(23, 155, 181)  
}
```

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(23, 155, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 155, 181) }
```

Border

The CSS property to change the border of an element to XYZ 20.4152, 26.9610, 47.8441 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(23, 155, 181) }
```


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

```
.border{ border-color:rgb(23, 155, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 155, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 155, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 155, 181);  
box-shadow:4px 4px 4px 4px rgb(23, 155,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4152, 26.9610, 47.8441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 155, 181) }
```

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

```
.background{ background-color: rgb(23, 155,  
181) }
```

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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