

Converting Colors

XYZ(20.0619, 26.0140, 47.3863)

Have a look what the booklet for
XYZ(20.0619, 26.0140, 47.3863)
contains.

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Color

**XYZ(20.0315, 26.0431,
47.1511)**

Conversions

Conversions Part 1

Format	Color
Hex	1F98B4
RGB	31, 152, 180
RGB Percent	12%, 60%, 71%
CMY	0.8784, 0.4039, 0.2941
CMYK	0.83, 0.16, 0.00, 0.29
HSL	191°, 71%, 41%
HSV	191°, 83%, 71%
XYZ	20.0315, 26.0431, 47.1511
YIQ	119.0130, -81.1040, -16.9440

Conversions

Conversions Part 2

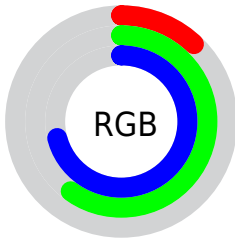
Format	Color
R_{YB}	31, 98, 180
Decimal	2070708
CIE _{Lab}	58.08, -21.75, -23.59
CIE _{LCh}	58, 32.088, 227.326
Yxy	26.0431, 0.2149, 0.2794
Android (android.graphics.Color)	4280260788 (0xFF1F98B4)
YUV	119.0130, 30.0666, -77.1874
Hunter-Lab	51.0324, -19.2411, -19.0579

Details

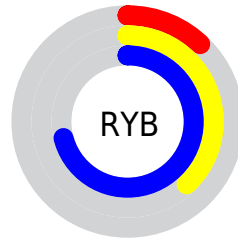
The XYZ color **20.0315, 26.0431, 47.1511** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.6346, 12.9315, 2.7056**, and the grayscale version is **17.4664, 18.3760, 20.0115**.

A 20% lighter version of the original color is **42.9205, 53.1418, 87.3521**, and **8.4844, 10.8397, 21.7238** is the 20% darker color. If you saturate the color by 10%, you get **19.0918, 24.7557, 46.9526**, and if you desaturate by 10%, it is **21.2910, 27.5196, 47.3702**.

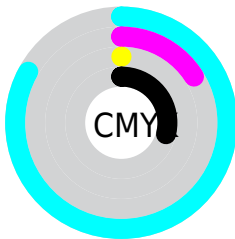
Distribution



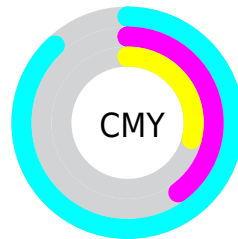
- Red (12%)
- Green (60%)
- Blue (71%)



- Red (12%)
- Yellow (38%)
- Blue (71%)



- Cyan (83%)
- Magenta (16%)
- Yellow (0%)
- Black (29%)



- Cyan (88%)
- Magenta (40%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0315, 26.0431, 47.1511 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 20.0315, 26.0431, 47.1511 by changing the saturation by 10% instead.

20.0315, 26.0431,
47.1511

20.0315, 26.0431,
47.1511

244.9159,
282.9936, 391.8285

12.5263, 16.8559,
32.7999

42.9735, 53.3445,
87.2915

7.1779, 10.1318,
21.7034

59.1411, 72.2274,
113.9177

3.6210, 5.4864,
13.4429

78.9269, 95.1111,
145.4728

1.4900, 2.5354,
7.5999

102.6962,
122.3798, 182.3751

0.3190, 0.8943,
3.7559

130.8144,
154.4180, 225.0434

0.0000, 0.0000,
1.4924

163.6468,

0.0000, 0.0000,

191.6101, 273.8960

0.2123

201.5589,
234.3405, 329.3515

■ 0.0000, 0.0000,
0.0000

■ 20.0315, 26.0431,
47.1511

■ 20.0315, 26.0431,
47.1511

■ 19.0918, 24.7557,
46.9526

■ 21.2910, 27.5196,
47.3702

■ 18.5441, 23.9069,
46.8177

■ 22.9121, 29.2055,
47.6102

■ 24.9326, 31.1208,
47.8734

■ 27.3847, 33.2826,
48.1614

■ 30.2975, 35.7057,
48.4756

■ 33.6973, 38.4041,
48.8173

■ 37.6083, 41.3904,
49.1875

■ 42.0533, 44.6765,
49.5875

■ 47.0534, 48.2735,
50.0183

Harmonies

Analogous

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



18.2907, 26.0431, 35.2093



20.0315, 26.0431, 47.1511



23.1516, 26.0431, 54.7368

Triad

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



20.0315, 26.0431, 47.1511



32.7712, 26.0431, 33.3091



22.5967, 26.0431, 12.4559

Complementary

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



20.0315, 26.0431, 47.1511



20.6346, 12.9315, 2.7056

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.



26.4270, 26.0431, 12.1982



20.0315, 26.0431, 47.1511



32.5826, 26.0431, 22.4561

Square

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



20.0315, 26.0431, 47.1511



30.6552, 26.0431, 45.4506



30.1640, 26.0431, 15.3669



19.6619, 26.0431, 16.1966

Rectangle

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



20.0315, 26.0431, 47.1511



25.7170, 26.0431, 55.2756



30.1640, 26.0431, 15.3669



23.8138, 26.0431, 12.0019

Sweetspot

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



20.0324, 26.0440, 47.1517



59.3733, 68.2842, 88.3455



17.6590, 33.2432, 9.5326



12.3681, 14.3909, 19.0481



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.



20.0324, 26.0440, 47.1517



33.5877, 43.2316, 84.8689



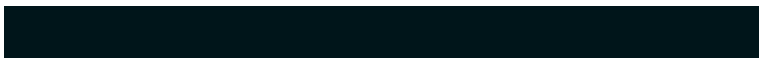
11.5418, 9.0629, 44.3216



8.6042, 9.3546, 10.8585



12.9885, 16.7773, 32.6908



0.4437, 0.5980, 1.0403

Inverse Universe

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



24.9806, 12.9511, 30.8899



43.5534, 21.4046, 51.0995



27.4332, 26.5285, 4.9718



8.7802, 8.6188, 10.3408



16.7906, 8.2338, 19.8553



0.5460, 0.2662, 0.7179

Previews

White Background



This preview shows how the XYZ color 20.0315, 26.0431, 47.1511 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 20.0315, 26.0431, 47.1511 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 20.0315, 26.0431, 47.1511

Background



This preview shows how black text looks on a background with the XYZ color 20.0315, 26.0431, 47.1511.

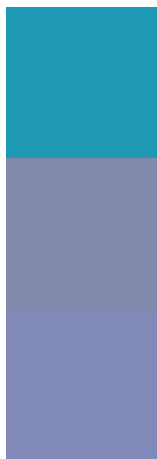


This preview shows how white text looks on a background with the XYZ color 20.0315, 26.0431,

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

20.0315, 26.0431, 47.1511

Protanopia

25.5614, 25.6189, 41.6279

Deuteranopia

26.4995, 25.9412, 48.9579



Tritanopia

18.5307, 25.9012, 40.5820

Trichromacy



Original Color

20.0315, 26.0431, 47.1511



Protanomaly

22.0323, 24.8349, 43.6768



Deuteranomaly

22.7344, 25.0921, 48.4448



Tritanomaly

18.9756, 25.8322, 43.0157

Monochromacy



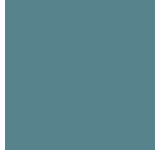
Original Color

20.0315, 26.0431, 47.1511



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.8545, 20.1819, 28.2065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0315, 26.0431, 47.1511 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(31, 152, 180)` looks like.

```
.text, #text, p{  
    color:rgb(31, 152, 180)  
}
```

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(31, 152, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 152, 180) }
```

Border

The CSS property to change the border of an element to XYZ 20.0315, 26.0431, 47.1511 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(31, 152, 180) }
```


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

```
.border{ border-color:rgb(31, 152, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 152, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 152, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 152, 180);  
box-shadow:4px 4px 4px 4px rgb(31, 152,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0315, 26.0431, 47.1511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 152, 180) }
```

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

```
.background{ background-color: rgb(31, 152,  
180) }
```

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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