

Converting Colors

XYZ(20.0117, 26.0188, 46.3511)

Have a look what the booklet for
XYZ(20.0117, 26.0188, 46.3511)
contains.

XYZ(20.0925, 26.0862, 46.6240)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.0925, 26.0862,
46.6240)**

Conversions

Conversions Part 1

Format	Color
Hex	2498B3
RGB	36, 152, 179
RGB Percent	14%, 60%, 70%
CMY	0.8588, 0.4039, 0.2980
CMYK	0.80, 0.15, 0.00, 0.30
HSL	191°, 67%, 42%
HSV	191°, 80%, 70%
XYZ	20.0925, 26.0862, 46.6240
YIQ	120.3940, -77.8030, -16.1950

Conversions

Conversions Part 2

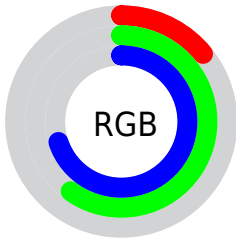
Format	Color
R _Y B	36, 100, 179
Decimal	2398387
CIE Lab	58.12, -21.62, -22.96
CIE LCh	58, 31.537, 226.710
Yxy	26.0862, 0.2165, 0.2811
Android (android.graphics.Color)	4280588467 (0xFF2498B3)
YUV	120.3940, 28.8928, -74.0135
Hunter-Lab	51.0747, -19.1597, -18.3712

Details

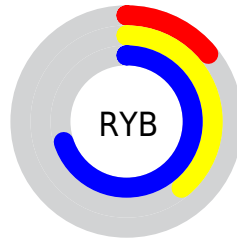
The XYZ color **20.0925, 26.0862, 46.6240** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.6875, 13.2677, 3.1407**, and the grayscale version is **17.9084, 18.8411, 20.5179**.

A 20% lighter version of the original color is **43.0106, 53.2049, 86.5999**, and **8.4196, 10.8137, 21.3822** is the 20% darker color. If you saturate the color by 10%, you get **19.0761, 24.7599, 46.4221**, and if you desaturate by 10%, it is **21.4385, 27.6066, 46.8470**.

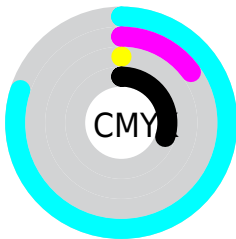
Distribution



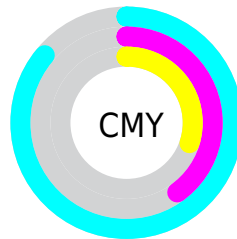
- Red (14%)
- Green (60%)
- Blue (70%)



- Red (14%)
- Yellow (39%)
- Blue (70%)



- Cyan (80%)
- Magenta (15%)
- Yellow (0%)
- Black (30%)



- Cyan (86%)
- Magenta (40%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0925, 26.0862, 46.6240 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 20.0925, 26.0862, 46.6240 by changing the saturation by 10% instead.

■ 20.0925, 26.0862,
46.6240

■ 20.0925, 26.0862,
46.6240

245.2395,
283.2050, 389.6619

■ 12.5710, 16.8881,
32.3863

■ 43.0750, 53.4140,
86.4962

■ 7.2087, 10.1548,
21.3895

■ 59.2666, 72.3125,
112.9678

■ 3.6405, 5.5017,
13.2150

■ 79.0790, 95.2133,
144.3544

■ 1.5008, 2.5445,
7.4443

■ 102.8775,
122.5007, 181.0746

■ 0.3264, 0.8989,
3.6588

■ 131.0274,
154.5592, 223.5469

■ 0.0000, 0.0000,
1.4401

163.8941,

■ 0.0000, 0.0000,

191.7731, 272.1898

0.1727

201.8430,
234.5269, 327.4220

■ 0.0000, 0.0000,
0.0000

■ 20.0925, 26.0862,
46.6240

■ 20.0925, 26.0862,
46.6240

■ 19.0761, 24.7599,
46.4221

■ 21.4385, 27.6066,
46.8470

■ 18.3019, 23.5810,
46.2353

■ 23.1526, 29.3397,
47.0912

■ 18.2931, 23.5673,
46.2331

■ 25.2707, 31.3046,
47.3588

■ 27.8237, 33.5175,
47.6514

■ 30.8391, 35.9928,
47.9703

■ 34.3424, 38.7437,
48.3166

■ 38.3571, 41.7825,
48.6915

■ 42.9051, 45.1207,
49.0962

■ 48.0070, 48.7691,
49.5315

Harmonies

Analogous

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



18.4056, 26.0862, 34.8888



20.0925, 26.0862, 46.6240



23.1442, 26.0862, 54.1775

Triad

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



20.0925, 26.0862, 46.6240



32.6485, 26.0862, 33.5170



22.7424, 26.0862, 12.6483

Complementary

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



20.0925, 26.0862, 46.6240



20.6875, 13.2677, 3.1407

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.



26.5207, 26.0862, 12.4599



20.0925, 26.0862, 46.6240



32.5125, 26.0862, 22.7761

Square

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



20.0925, 26.0862, 46.6240



30.5319, 26.0862, 45.4002



30.1774, 26.0862, 15.6819



19.8244, 26.0862, 16.2866

Rectangle

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



20.0925, 26.0862, 46.6240



25.6620, 26.0862, 54.8248



30.1774, 26.0862, 15.6819



23.9461, 26.0862, 12.2194

Sweetspot

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



20.0934, 26.0871, 46.6246



58.5559, 67.0964, 86.2458



17.7241, 32.9662, 10.0192



12.4919, 14.4854, 19.0598



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.



20.0934, 26.0871, 46.6246



33.0994, 42.7101, 82.8805



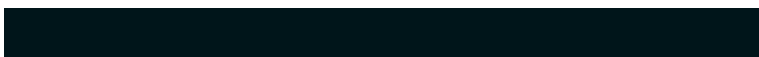
11.8290, 9.5585, 43.8699



8.6036, 9.3533, 10.8582



12.9713, 16.7429, 32.6850



0.4433, 0.5972, 1.0401

Inverse Universe

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



24.8896, 13.1134, 30.9259



42.6885, 21.0828, 50.5271



27.3959, 26.6846, 5.3769



8.7798, 8.6187, 10.3391



16.7820, 8.2303, 19.8095



0.5458, 0.2661, 0.7168

Previews

White Background



This preview shows how the XYZ color 20.0925, 26.0862, 46.6240 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 20.0925, 26.0862, 46.6240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

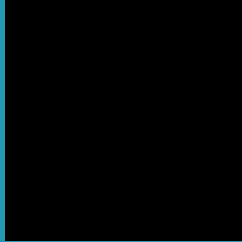
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0925, 26.0862, 46.6240

Background



This preview shows how black text looks on a background with the XYZ color 20.0925, 26.0862, 46.6240.

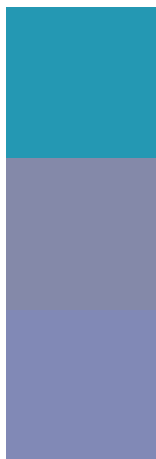


This preview shows how white text looks on a background with the XYZ color 20.0925, 26.0862,

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

20.0925, 26.0862, 46.6240

Protanopia

25.6228, 25.6614, 41.1388

Deuteranopia

26.4424, 25.9358, 47.8684



Tritanopia

18.8191, 26.0499, 40.5955

Trichromacy



Original Color

20.0925, 26.0862, 46.6240

Protanomaly

22.1456, 24.9045, 43.1750

Deuteranomaly

22.7328, 25.1151, 47.3656

Tritanomaly

19.1679, 25.9424, 42.5252

Monochromacy



Original Color

20.0925, 26.0862, 46.6240

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1788, 20.5495, 28.2603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0925, 26.0862, 46.6240 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(36, 152, 179)` looks like.

```
.text, #text, p{  
    color:rgb(36, 152, 179)  
}
```

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(36, 152, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 152, 179) }
```

Border

The CSS property to change the border of an element to XYZ 20.0925, 26.0862, 46.6240 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(36, 152, 179) }
```


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

```
.border{ border-color:rgb(36, 152, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 152, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(36, 152, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(36, 152, 179); box-shadow:4px 4px 4px 4px rgb(36, 152, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0925, 26.0862, 46.6240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 152, 179) }
```

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

```
.background{ background-color: rgb(36, 152,  
179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor