

Converting Colors

XYZ(18.3255, 28.8421, 26.0172)

Have a look what the booklet for
XYZ(18.3255, 28.8421, 26.0172)
contains.

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Color

**XYZ(18.4269, 29.0001,
26.0991)**

Conversions

Conversions Part 1

Format	Color
Hex	28A583
RGB	40, 165, 131
RGB Percent	16%, 65%, 51%
CMY	0.8431, 0.3529, 0.4863
CMYK	0.76, 0.00, 0.21, 0.35
HSL	164°, 61%, 40%
HSV	164°, 76%, 65%
XYZ	18.4269, 29.0001, 26.0991
YIQ	123.7490, -63.5860, -37.0740

Conversions

Conversions Part 2

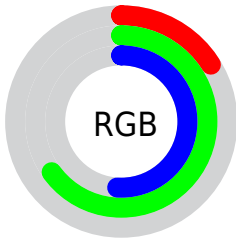
Format	Color
RYB	40, 112, 165
Decimal	2663811
CIELab	60.78, -41.57, 8.15
CIElCh	61, 42.362, 168.915
Yxy	29.0001, 0.2506, 0.3944
Android (android.graphics.Color)	4280853891 (0xFF28A583)
YUV	123.7490, 3.5747, -73.4479
Hunter-Lab	53.8517, -33.1617, 8.9615

Details

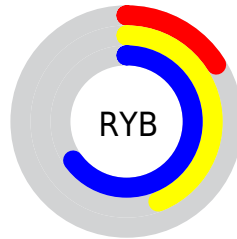
The XYZ color **18.4269, 29.0001, 26.0991** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.5128, 10.0120, 7.4890**, and the grayscale version is **19.0791, 20.0727, 21.8591**.

A 20% lighter version of the original color is **40.3339, 58.1769, 54.4508**, and **7.3172, 12.1975, 9.9513** is the 20% darker color. If you saturate the color by 10%, you get **17.6197, 28.6191, 24.5081**, and if you desaturate by 10%, it is **19.5226, 29.5298, 27.7737**.

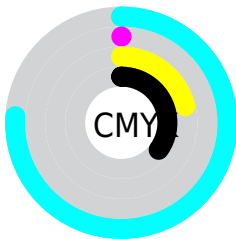
Distribution



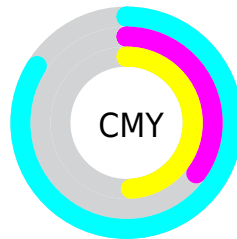
- Red (16%)
- Green (65%)
- Blue (51%)



- Red (16%)
- Yellow (44%)
- Blue (65%)



- Cyan (76%)
- Magenta (0%)
- Yellow (21%)
- Black (35%)



- Cyan (84%)
- Magenta (35%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4269, 29.0001, 26.0991 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 18.4269, 29.0001, 26.0991 by changing the saturation by 10% instead.

■ 18.4269, 29.0001,
26.0991

■ 18.4269, 29.0001,
26.0991

236.2657,
297.2154, 296.8892

■ 11.3585, 19.0809,
16.6714

■ 40.2878, 58.0772,
54.4208

■ 6.3775, 11.7287,
9.8410

■ 55.8110, 78.0040,
74.1519

■ 3.1188, 6.5593,
5.1894

■ 74.8832, 102.0353,
98.1545

■ 1.2169, 3.1880,
2.2982

■ 97.8696, 130.5557,
126.8471

■ 0.1196, 1.2307,
0.7302

■ 125.1358,
163.9495, 160.6484

■ 0.0000, 0.0865,
0.0000

■ 157.0469,

■ 0.0000, 0.0000,

202.6012, 199.9768

0.0000

193.9684,
246.8950, 245.2509

■ 18.4269, 29.0001,
26.0991

■ 18.4269, 29.0001,
26.0991

■ 17.6197, 28.6191,
24.5081

■ 19.5226, 29.5298,
27.7737

■ 17.0577, 28.3623,
22.9958

■ 20.9356, 30.2207,
29.5322

■ 16.8531, 28.2703,
22.3759

■ 22.6938, 31.0881,
31.3773

■ 24.8213, 32.1443,
33.3110

■ 27.3398, 33.4004,
35.3351

■ 30.2697, 34.8670,
37.4513

■ 33.6294, 36.5536,
39.6614

■ 37.4368, 38.4693,
41.9667

■ 41.7082, 40.6225,
44.3690

Harmonies

Analogous

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



20.3309, 29.0001, 15.5507



18.4269, 29.0001, 26.0991



18.7144, 29.0001, 42.4569

Triad

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



18.4269, 29.0001, 26.0991



31.1391, 29.0001, 69.8090



35.1211, 29.0001, 13.7961

Complementary

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



18.4269, 29.0001, 26.0991



17.5128, 10.0120, 7.4890

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.



38.8380, 29.0001, 22.7340



18.4269, 29.0001, 26.0991



36.3359, 29.0001, 55.9803

Square

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



18.4269, 29.0001, 26.0991



25.5783, 29.0001, 71.6428



39.3100, 29.0001, 37.7705



29.6493, 29.0001, 10.1925

Rectangle

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



18.4269, 29.0001, 26.0991



20.1212, 29.0001, 54.7015



39.3100, 29.0001, 37.7705



36.6467, 29.0001, 16.1058

Sweetspot

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



18.4277, 29.0012, 26.0998



50.1195, 60.3943, 64.1501



16.7733, 28.5774, 6.6398



10.5871, 13.0185, 13.7449



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.4277, 29.0012, 26.0998



30.8200, 50.9152, 42.0040



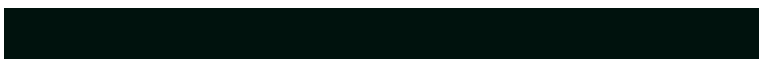
16.7440, 21.3218, 38.8317



7.1935, 7.9782, 8.6307



12.7708, 21.3946, 17.0412



0.2865, 0.4568, 0.4537

Inverse Universe

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



17.5128, 10.0120, 7.4890



29.2071, 15.2733, 7.5909



17.9130, 12.1775, 3.4142



7.1492, 7.1162, 7.7723



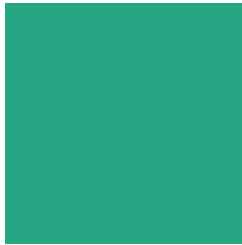
12.1140, 6.2017, 2.5250



0.2733, 0.1378, 0.1516

Previews

White Background



This preview shows how the XYZ color 18.4269, 29.0001, 26.0991 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 18.4269, 29.0001, 26.0991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

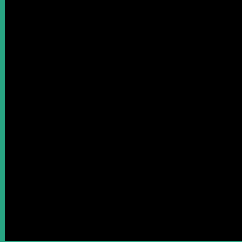
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4269, 29.0001, 26.0991

Background



This preview shows how black text looks on a background with the XYZ color 18.4269, 29.0001, 26.0991.



This preview shows how white text looks on a background with the XYZ color 18.4269, 29.0001,

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

18.4269, 29.0001, 26.0991

Protanopia

26.9030, 28.5013, 22.1725

Deuteranopia

29.0731, 28.6139, 27.2833



Tritanopia

21.8311, 28.7990, 43.4379

Trichromacy



Original Color

18.4269, 29.0001, 26.0991



Protanomaly

21.7400, 27.4479, 23.5542



Deuteranomaly

22.6806, 27.3855, 26.6448



Tritanomaly

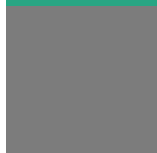
20.3520, 28.7083, 36.3669

Monochromacy



Original Color

18.4269, 29.0001, 26.0991



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.5776, 22.3247, 23.4613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4269, 29.0001, 26.0991 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(40, 165, 131)` looks like.

```
.text, #text, p{  
    color:rgb(40, 165, 131)  
}
```

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(40, 165, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 165, 131) }
```

Border

The CSS property to change the border of an element to XYZ 18.4269, 29.0001, 26.0991 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(40, 165, 131) }
```


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

```
.border{ border-color:rgb(40, 165, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 165, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 165, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 165, 131);  
box-shadow:4px 4px 4px 4px rgb(40, 165,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4269, 29.0001, 26.0991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 165, 131) }
```

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

```
.background{ background-color: rgb(40, 165,  
131) }
```

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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