

Converting Colors

XYZ(20.3581, 29.9262, 26.7212)

Have a look what the booklet for
XYZ(20.3581, 29.9262, 26.7212)
contains.

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Color

**XYZ(20.4364, 30.0202,
26.9077)**

Conversions

Conversions Part 1

Format	Color
Hex	49A585
RGB	73, 165, 133
RGB Percent	29%, 65%, 52%
CMY	0.7137, 0.3529, 0.4784
CMYK	0.56, 0.00, 0.19, 0.35
HSL	159°, 39%, 47%
HSV	159°, 56%, 65%
XYZ	20.4364, 30.0202, 26.9077
YIQ	133.8440, -44.5600, -29.4560

Conversions

Conversions Part 2

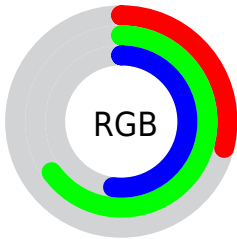
Format	Color
RYB	73, 129, 165
Decimal	4826501
CIELab	61.67, -35.25, 8.41
CIElCh	62, 36.238, 166.582
Yxy	30.0202, 0.2642, 0.3880
Android (android.graphics.Color)	4283016581 (0xFF49A585)
YUV	133.8440, -0.4161, -53.3602
Hunter-Lab	54.7907, -29.3049, 9.2362

Details

The XYZ color **20.4364, 30.0202, 26.9077** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.4503, 13.7850, 14.9485**, and the grayscale version is **22.6166, 23.7944, 25.9121**.

A 20% lighter version of the original color is **43.7726, 59.9252, 55.7140**, and **7.3555, 12.2129, 10.1533** is the 20% darker color. If you saturate the color by 10%, you get **18.9626, 29.3058, 24.8255**, and if you desaturate by 10%, it is **22.2652, 30.9167, 29.1210**.

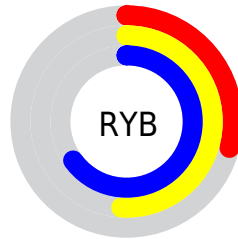
Distribution



Red (29%)

Green (65%)

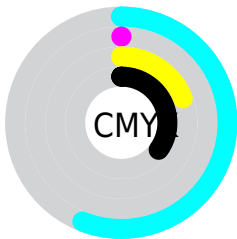
Blue (52%)



Red (29%)

Yellow (51%)

Blue (65%)

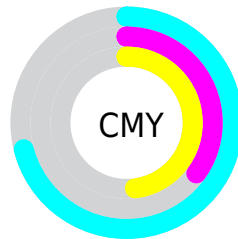


Cyan (56%)

Magenta (0%)

Yellow (19%)

Black (35%)



Cyan (71%)


Magenta (35%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4364, 30.0202, 26.9077 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 20.4364, 30.0202, 26.9077 by changing the saturation by 10% instead.


 20.4364, 30.0202,
26.9077


 20.4364, 30.0202,
26.9077


247.0567,
301.9986, 300.9560


 12.8228, 19.8539,
17.2721


 43.6460, 59.6941,
55.7377

 7.3828, 12.2889,
10.2647


 59.9727, 79.9706,
75.7691


 3.7511, 6.9408,
5.4669


 79.9345, 104.3858,
100.1029

 1.5623, 3.4251,
2.4602

 103.8967,
133.3243, 129.1575

 0.3676, 1.3575,
0.8190

 132.2246,
167.1705, 163.3516

 0.0000, 0.1851,
0.0000

165.2837,

 0.0000, 0.0000,

206.3086, 203.1037

0.0000

203.4393,
251.1232, 248.8323

■ 20.4364, 30.0202,
26.9077

■ 20.4364, 30.0202,
26.9077

■ 18.9626, 29.3058,
24.8255

■ 22.2652, 30.9167,
29.1210

■ 17.8141, 28.7558,
22.8692

■ 24.4707, 32.0040,
31.4661

■ 16.9604, 28.3554,
21.0362

■ 27.0759, 33.2948,
33.9466

■ 16.3602, 28.0833,
19.3227

■ 30.1010, 34.7995,
36.5649

■ 16.1417, 27.9857,
18.6294

■ 33.5649, 36.5278,
39.3237

■ 37.4854, 38.4887,
42.2253

■ 41.8792, 40.6909,
45.2722

■ 46.7620, 43.1424,
48.4666

■ 52.1491, 45.8511,
51.8107

Harmonies

Analogous

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



22.3186, 30.0202, 17.6304



20.4364, 30.0202, 26.9077



20.5426, 30.0202, 40.8595

Triad

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



20.4364, 30.0202, 26.9077



31.2600, 30.0202, 65.2848



35.3871, 30.0202, 16.9529

Complementary

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



20.4364, 30.0202, 26.9077



20.4503, 13.7850, 14.9485

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.



38.3665, 30.0202, 25.6839



20.4364, 30.0202, 26.9077



35.8063, 30.0202, 54.5277

Square

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



20.4364, 30.0202, 26.9077



26.4367, 30.0202, 65.8880



38.5280, 30.0202, 39.2395



30.7379, 30.0202, 13.0736

Rectangle

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



20.4364, 30.0202, 26.9077



21.7211, 30.0202, 51.1887



38.5280, 30.0202, 39.2395



36.6389, 30.0202, 19.2859

Sweetspot

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



20.4372, 30.0214, 26.9084



53.0138, 61.8763, 64.7373



20.5078, 30.4079, 11.0921



11.3598, 13.4129, 13.9580



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.



20.4372, 30.0214, 26.9084



33.3990, 52.2127, 43.5725



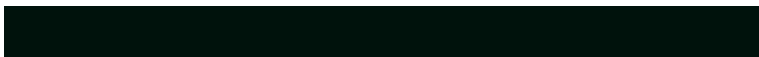
20.6389, 26.3318, 39.5935



7.1709, 7.9692, 8.5120



12.2351, 21.1804, 14.2202



0.2781, 0.4534, 0.4093

Inverse Universe

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



20.4503, 13.7850, 14.9485



33.4503, 20.1637, 20.0916



20.1125, 15.2651, 8.1901



7.1708, 7.1248, 7.8856



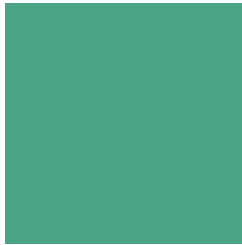
12.3267, 6.2867, 3.6449



0.2807, 0.1408, 0.1907

Previews

White Background



This preview shows how the XYZ color 20.4364, 30.0202, 26.9077 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 20.4364, 30.0202, 26.9077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

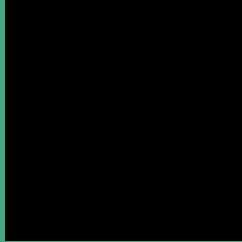
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.4364, 30.0202, 26.9077

Background



This preview shows how black text looks on a background with the XYZ color 20.4364, 30.0202, 26.9077.

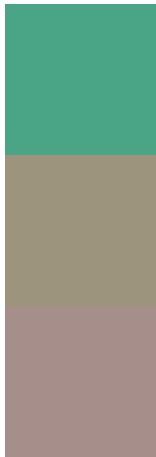


This preview shows how white text looks on a background with the XYZ color 20.4364, 30.0202,

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

20.4364, 30.0202, 26.9077

Protanopia

27.9383, 29.7030, 23.3295

Deuteranopia

30.1358, 29.5869, 28.1673



Tritanopia

23.8550, 30.0986, 43.5820

Trichromacy



Original Color

20.4364, 30.0202, 26.9077

Protanomaly

23.9906, 29.0791, 24.4271

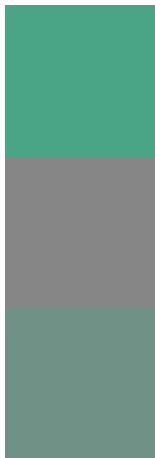
Deuteranomaly

25.0263, 28.8163, 27.5356

Tritanomaly

22.4852, 30.0586, 36.9645

Monochromacy



Original Color

20.4364, 30.0202, 26.9077

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.1106, 25.4168, 26.3475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4364, 30.0202, 26.9077 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(73, 165, 133)` looks like.

```
.text, #text, p{  
    color:rgb(73, 165, 133)  
}
```

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(73, 165, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 165, 133) }
```

Border

The CSS property to change the border of an element to XYZ 20.4364, 30.0202, 26.9077 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(73, 165, 133) }
```


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

```
.border{ border-color:rgb(73, 165, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 165, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 165, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 165, 133);  
box-shadow:4px 4px 4px 4px rgb(73, 165,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4364, 30.0202, 26.9077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 165, 133) }
```

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

```
.background{ background-color: rgb(73, 165,  
133) }
```

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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