

Converting Colors

XYZ(28.3064, 51.5335, 21.0254)

Have a look what the booklet for
XYZ(28.3064, 51.5335, 21.0254)
contains.

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Color

**XYZ(28.3064, 51.5335,
21.0254)**

Conversions

Conversions Part 1

Format	Color
Hex	27DA66
RGB	39, 218, 102
RGB Percent	15%, 85%, 40%
CMY	0.8470, 0.1451, 0.6000
CMYK	0.82, 0.00, 0.53, 0.15
HSL	141°, 71%, 50%
HSV	141°, 82%, 85%
XYZ	28.3064, 51.5335, 21.0254
YIQ	151.2550, -69.4480, -74.0240

Conversions

Conversions Part 2

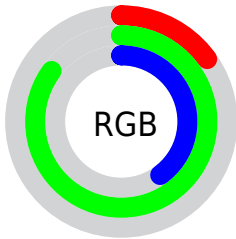
Format	Color
RYB	39, 171, 218
Decimal	2611814
CIELab	77.00, -66.96, 44.75
CIELCh	77, 80.539, 146.249
Yxy	51.5335, 0.2806, 0.5109
Android (android.graphics.Color)	4280801894 (0xFF27DA66)
YUV	151.2550, -24.2827, -98.4476
Hunter-Lab	71.7868, -55.2423, 32.8855

Details

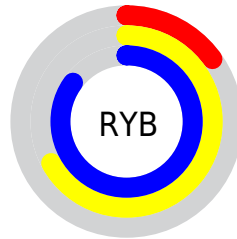
The XYZ color **28.3064, 51.5335, 21.0254** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **35.5570, 18.7240, 32.7522**, and the grayscale version is **29.6481, 31.1921, 33.9682**.

A 20% lighter version of the original color is **49.0125, 77.6685, 43.4186**, and **13.3206, 25.7200, 7.2800** is the 20% darker color. If you saturate the color by 10%, you get **27.0635, 50.9684, 17.6170**, and if you desaturate by 10%, it is **30.1448, 52.3947, 25.0873**.

Distribution



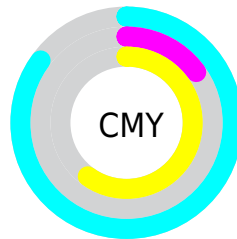
- Red (15%)
- Green (85%)
- Blue (40%)



- Red (15%)
- Yellow (67%)
- Blue (85%)



- Cyan (82%)
- Magenta (0%)
- Yellow (53%)
- Black (15%)



- Cyan (85%)
- Magenta (15%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3064, 51.5335, 21.0254 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 28.3064, 51.5335, 21.0254 by changing the saturation by 10% instead.

■ 28.3064, 51.5335,
21.0254

■ 28.3064, 51.5335,
21.0254

285.9817,
392.6330, 270.1989

■ 18.6984, 36.6334,
12.9511

■ 56.3785, 92.4429,
46.0111

■ 11.5553, 24.9238,
7.2646

■ 75.5733, 119.2209,
63.7597

■ 6.5116, 16.0203,
3.5472

■ 98.6943, 150.7271,
85.5701

■ 3.2022, 9.5385,
1.3804

■ 126.1071,
187.3457, 111.8609

■ 1.2616, 5.0941,
0.1263

■ 158.1768,
229.4612, 143.0507

■ 0.1542, 2.3026,
0.0000

195.2690,

■ 0.0000, 0.7751,

277.4580, 179.5579

0.0000

237.7488,
331.7205, 221.8011

■ 0.0000, 0.0000,
0.0000

■ 28.3064, 51.5335,
21.0254

■ 28.3064, 51.5335,
21.0254

■ 27.0635, 50.9684,
17.6170

■ 30.1448, 52.3947,
25.0873

■ 26.4024, 50.6768,
15.3608

■ 32.6515, 53.5845,
29.8321

■ 35.8920, 55.1376,
35.2915

■ 39.9227, 57.0824,
41.4940

■ 44.7943, 59.4445,
48.4665

■ 50.5529, 62.2472,
56.2347

■ 57.2415, 65.5121,
64.8229

■ 64.8999, 69.2594,
74.2543

■ 73.5658, 73.5079,
84.5513

Harmonies

Analogous

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



37.0499, 51.5335, 9.3107



28.3064, 51.5335, 21.0254



25.0330, 51.5335, 50.7593

Triad

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



28.3064, 51.5335, 21.0254



47.0748, 51.5335, 189.8321



80.5173, 51.5335, 26.4088

Complementary

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



28.3064, 51.5335, 21.0254



35.5570, 18.7240, 32.7522

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.



84.7413, 51.5335, 61.8267



28.3064, 51.5335, 21.0254



63.2326, 51.5335, 171.2345

Square

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



28.3064, 51.5335, 21.0254



34.3414, 51.5335, 159.8579



77.8568, 51.5335, 117.4151



67.2826, 51.5335, 11.0830

Rectangle

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



28.3064, 51.5335, 21.0254



25.7532, 51.5335, 83.2499



77.8568, 51.5335, 117.4151



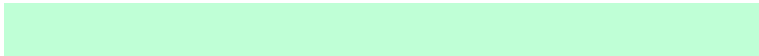
83.1431, 51.5335, 35.6224

Sweetspot

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



28.3077, 51.5356, 21.0266



69.4064, 87.4679, 76.6338



39.0242, 57.2949, 10.9220



14.2317, 18.4180, 15.5613



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.3077, 51.5356, 21.0266



37.6976, 72.2987, 21.9565



35.3302, 54.3446, 58.0065



13.0748, 14.6816, 14.8570



15.8635, 30.3780, 9.4464



1.0678, 1.9841, 0.8230

Inverse Universe

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



35.5570, 18.7240, 32.7522



48.1643, 24.0740, 38.2565



30.6193, 16.7489, 6.7507



13.4096, 13.1930, 15.4184



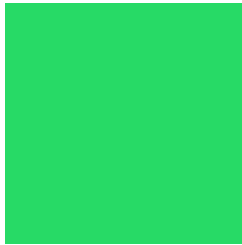
20.2675, 10.1081, 16.3207



1.3533, 0.6710, 1.2695

Previews

White Background



This preview shows how the XYZ color 28.3064, 51.5335, 21.0254 looks on a white background.

Color Contrast Check

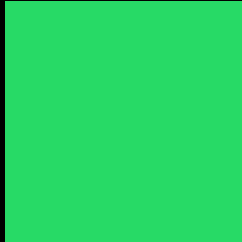
Large Text (above 18pt) WCAG AA × Fail

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 28.3064, 51.5335, 21.0254 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 28.3064, 51.5335, 21.0254

Background



This preview shows how black text looks on a background with the XYZ color 28.3064, 51.5335, 21.0254.

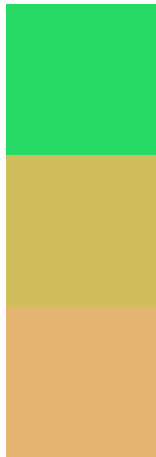


This preview shows how white text looks on a background with the XYZ color 28.3064, 51.5335,

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

28.3064, 51.5335, 21.0254

Protanopia

46.1418, 50.5778, 17.4558

Deuteranopia

51.5590, 50.4704, 22.3535



Tritanopia

39.3305, 51.1607, 76.9093

Trichromacy



Original Color

28.3064, 51.5335, 21.0254



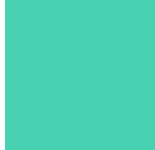
Protanomaly

34.7982, 48.3561, 18.5659



Deuteranomaly

36.4958, 47.1399, 21.3627



Tritanomaly

33.7550, 50.6853, 50.1236

Monochromacy



Original Color

28.3064, 51.5335, 21.0254



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

25.9940, 35.6684, 27.7050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3064, 51.5335, 21.0254 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(39, 218, 102)` looks like.

```
.text, #text, p{  
    color:rgb(39, 218, 102)  
}
```

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(39, 218, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 218, 102) }
```

Border

The CSS property to change the border of an element to XYZ 28.3064, 51.5335, 21.0254 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(39, 218, 102) }
```


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

```
.border{ border-color:rgb(39, 218, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 218, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 218, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 218, 102);  
box-shadow:4px 4px 4px 4px rgb(39, 218,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3064, 51.5335, 21.0254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 218, 102) }
```

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

```
.background{ background-color: rgb(39, 218,  
102) }
```

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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