

Converting Colors

XYZ(21.2652, 37.6628, 17.6733)

Have a look what the booklet for
XYZ(21.2652, 37.6628, 17.6733)
contains.

XYZ(21.3167, 37.7485, 17.7180)	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(21.3167, 37.7485,
17.7180)**

Conversions

Conversions Part 1

Format	Color
Hex	29BD62
RGB	41, 189, 98
RGB Percent	16%, 74%, 38%
CMY	0.8392, 0.2588, 0.6157
CMYK	0.78, 0.00, 0.48, 0.26
HSL	143°, 64%, 45%
HSV	143°, 78%, 74%
XYZ	21.3167, 37.7485, 17.7180
YIQ	134.3740, -58.9970, -59.6770

Conversions

Conversions Part 2

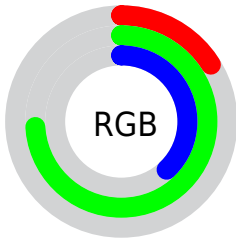
Format	Color
RYB	41, 148, 189
Decimal	2735458
CIELab	67.83, -57.57, 35.35
CIELCh	68, 67.562, 148.448
Yxy	37.7485, 0.2776, 0.4916
Android (android.graphics.Color)	4280925538 (0xFF29BD62)
YUV	134.3740, -17.9324, -81.8890
Hunter-Lab	61.4398, -45.5886, 25.9098

Details

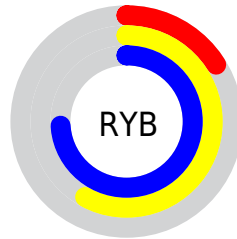
The XYZ color **21.3167, 37.7485, 17.7180** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **25.9453, 14.0714, 23.1798**, and the grayscale version is **22.8783, 24.0697, 26.2119**.

A 20% lighter version of the original color is **45.0163, 71.4931, 40.2811**, and **9.0795, 17.2719, 5.7610** is the 20% darker color. If you saturate the color by 10%, you get **20.2266, 37.2465, 15.0081**, and if you desaturate by 10%, it is **22.8500, 38.4719, 20.8662**.

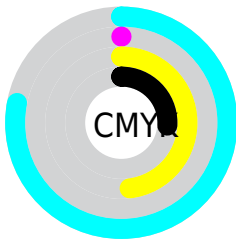
Distribution



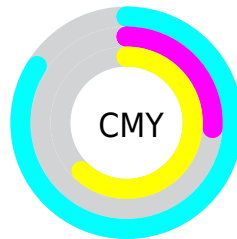
- Red (16%)
- Green (74%)
- Blue (38%)



- Red (16%)
- Yellow (58%)
- Blue (74%)



- Cyan (78%)
- Magenta (0%)
- Yellow (48%)
- Black (26%)





- Cyan (84%)
- Magenta (26%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3167, 37.7485, 17.7180 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 21.3167, 37.7485, 17.7180 by changing the saturation by 10% instead.


 21.3167, 37.7485,
17.7180


 21.3167, 37.7485,
17.7180


251.6568,
336.5399, 251.4592


 13.4695, 25.7876,
10.5804


 45.1013, 71.7225,
40.3636


 7.8318, 16.6648,
5.6748


 61.7695, 94.5043,
56.7087


 4.0384, 9.9958,
2.5828


 82.1086, 121.6619,
76.9601

 1.7239, 5.3962,
0.8836

 106.4841,
153.5796, 101.5362

 0.4712, 2.4815,
0.0000

 135.2613,
190.6419, 130.8556

 0.0000, 0.8674,
0.0000

168.8056,

 0.0000, 0.0000,

233.2331, 165.3369

0.0000

207.4823,
281.7376, 205.3986

■ 21.3167, 37.7485,
17.7180

■ 21.3167, 37.7485,
17.7180

■ 20.2266, 37.2465,
15.0081

■ 22.8500, 38.4719,
20.8662

■ 19.5002, 36.9220,
12.7126

■ 24.8727, 39.4370,
24.4693

■ 19.3940, 36.8749,
12.3625

■ 27.4279, 40.6667,
28.5458

■ 30.5528, 42.1798,
33.1126

■ 34.2814, 43.9935,
38.1856

■ 38.6448, 46.1236,
43.7801

■ 43.6719, 48.5847,
49.9104

■ 49.3897, 51.3904,
56.5906

■ 55.8239, 54.5537,
63.8342

Harmonies

Analogous

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



27.1208, 37.7485, 8.3996



21.3167, 37.7485, 17.7180



19.2874, 37.7485, 39.5604

Triad

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



21.3167, 37.7485, 17.7180



35.3365, 37.7485, 129.8279



56.6414, 37.7485, 19.3061

Complementary

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



21.3167, 37.7485, 17.7180



25.9453, 14.0714, 23.1798

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.



59.9899, 37.7485, 42.6825



21.3167, 37.7485, 17.7180



46.3445, 37.7485, 115.4566

Square

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



21.3167, 37.7485, 17.7180



26.3449, 37.7485, 112.3767



55.9056, 37.7485, 79.2382



47.4732, 37.7485, 8.9529

Rectangle

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



21.3167, 37.7485, 17.7180



19.9742, 37.7485, 62.1706



55.9056, 37.7485, 79.2382



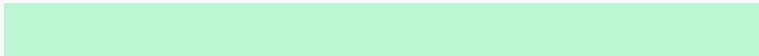
58.5551, 37.7485, 25.4281

Sweetspot

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



21.3176, 37.7500, 17.7189



65.1087, 80.6005, 73.2165



28.1566, 41.4841, 8.6213



13.4104, 17.0445, 14.9792



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.3176, 37.7500, 17.7189



35.2477, 66.2684, 23.8473



26.5340, 39.8366, 45.1880



9.5568, 10.7088, 10.9155



13.0832, 24.8236, 8.5011



0.5447, 0.9852, 0.5024

Inverse Universe

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



25.9453, 14.0714, 23.1798



43.7686, 22.1157, 33.4930



22.5508, 12.7136, 5.3045



9.7700, 9.6323, 11.1778



16.2877, 8.1463, 12.0748



0.6691, 0.3315, 0.6366

Previews

White Background



This preview shows how the XYZ color 21.3167, 37.7485, 17.7180 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 21.3167, 37.7485, 17.7180 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 21.3167, 37.7485, 17.7180

Background



This preview shows how black text looks on a background with the XYZ color 21.3167, 37.7485, 17.7180.



This preview shows how white text looks on a background with the XYZ color 21.3167, 37.7485,

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

21.3167, 37.7485, 17.7180

Protanopia

33.9010, 36.9755, 14.8014

Deuteranopia

37.6844, 37.0249, 18.7960



Tritanopia

28.9394, 37.4404, 56.1535

Trichromacy



Original Color

21.3167, 37.7485, 17.7180



Protanomaly

25.9286, 35.3270, 15.5774



Deuteranomaly

27.4514, 34.9307, 18.1274



Tritanomaly

25.1463, 37.0828, 38.1801

Monochromacy



Original Color

21.3167, 37.7485, 17.7180



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.2623, 27.2010, 22.2715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3167, 37.7485, 17.7180 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(41, 189, 98)` looks like.

```
.text, #text, p{  
    color:rgb(41, 189, 98)  
}
```

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(41, 189, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 189, 98) }
```

Border

The CSS property to change the border of an element to XYZ 21.3167, 37.7485, 17.7180 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(41, 189, 98) }
```


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

```
.border{ border-color:rgb(41, 189, 98) }
```

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

Here you see how a box with a 4 pixel rgb(41, 189, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 189, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 189, 98);  
box-shadow:4px 4px 4px 4px rgb(41, 189,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3167, 37.7485, 17.7180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 189, 98) }
```

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

```
.background{ background-color: rgb(41, 189,  
98) }
```

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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