

Converting Colors

XYZ(21.0230, 35.0280, 15.8807)

Have a look what the booklet for
XYZ(21.0230, 35.0280, 15.8807)
contains.

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Color

**XYZ(21.0542, 35.1600,
15.8021)**

Conversions

Conversions Part 1

Format	Color
Hex	47B55C
RGB	71, 181, 92
RGB Percent	28%, 71%, 36%
CMY	0.7216, 0.2902, 0.6392
CMYK	0.61, 0.00, 0.49, 0.29
HSL	131°, 44%, 49%
HSV	131°, 61%, 71%
XYZ	21.0542, 35.1600, 15.8021
YIQ	137.9640, -36.9910, -50.9990

Conversions

Conversions Part 2

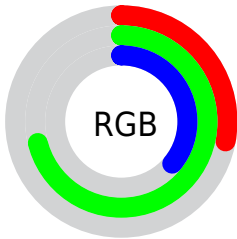
Format	Color
RYB	71, 163, 181
Decimal	4699484
CIELab	65.87, -50.37, 36.06
CIElCh	66, 61.946, 144.403
Yxy	35.1600, 0.2924, 0.4882
Android (android.graphics.Color)	4282889564 (0xFF47B55C)
YUV	137.9640, -22.6603, -58.7274
Hunter-Lab	59.2959, -40.3877, 25.7066

Details

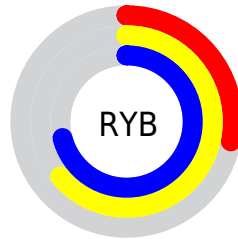
The XYZ color **21.0542, 35.1600, 15.8021** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.6556, 16.8690, 35.0574**, and the grayscale version is **24.2384, 25.5007, 27.7702**.

A 20% lighter version of the original color is **44.8145, 67.9085, 37.1312**, and **8.0254, 15.3532, 4.8260** is the 20% darker color. If you saturate the color by 10%, you get **19.3398, 34.3441, 12.6973**, and if you desaturate by 10%, it is **23.2895, 36.2321, 19.5788**.

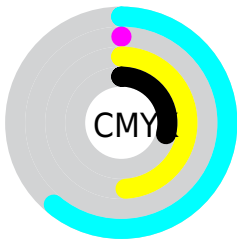
Distribution



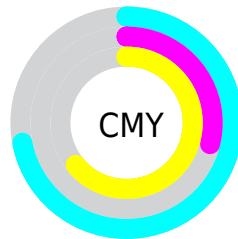
- Red (28%)
- Green (71%)
- Blue (36%)



- Red (28%)
- Yellow (64%)
- Blue (71%)



- Cyan (61%)
- Magenta (0%)
- Yellow (49%)
- Black (29%)





- Cyan (72%)
- Magenta (29%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0542, 35.1600, 15.8021 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 21.0542, 35.1600, 15.8021 by changing the saturation by 10% instead.


 21.0542, 35.1600,
15.8021

 21.0542, 35.1600,
15.8021


250.2927,
325.2740, 239.9768


 13.2763, 23.7862,
9.2314


 44.6683, 67.7336,
37.0163

 7.6974, 15.1751,
4.7935


 61.2353, 89.7021,
52.4969


 3.9521, 8.9423,
2.0700


 81.4626, 115.9709,
71.7845

 1.6751, 4.7036,
0.5978

 105.7157,
146.9245, 95.2976

 0.4406, 2.0744,
0.0000

 134.3599,
182.9472, 123.4549

 0.0000, 0.6502,
0.0000

167.7605,

 0.0000, 0.0000,

224.4234, 156.6748

0.0000

206.2830,
271.7375, 195.3760

■ 21.0542, 35.1600,
15.8021

■ 21.0542, 35.1600,
15.8021

■ 19.3398, 34.3441,
12.6973

■ 23.2895, 36.2321,
19.5788

■ 18.1001, 33.7586,
10.2227

■ 26.0814, 37.5751,
24.0613

■ 17.2853, 33.3794,
8.3355

■ 29.4657, 39.2076,
29.2838

■ 16.8213, 33.1678,
7.0712

■ 33.4741, 41.1455,
35.2779

■ 38.1363, 43.4034,
42.0731

■ 43.4799, 45.9949,
49.6974

■ 49.5310, 48.9329,
58.1776

■ 56.3142, 52.2296,
67.5391

■ 63.8531, 55.8966,
77.8064

Harmonies

Analogous

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



26.6624, 35.1600, 8.2846



21.0542, 35.1600, 15.8021



18.7858, 35.1600, 33.5750

Triad

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



21.0542, 35.1600, 15.8021



31.7313, 35.1600, 113.5385



52.1428, 35.1600, 21.0077

Complementary

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



21.0542, 35.1600, 15.8021



27.6556, 16.8690, 35.0574

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.



54.1706, 35.1600, 43.4123



21.0542, 35.1600, 15.8021



41.2292, 35.1600, 104.9655

Square

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



21.0542, 35.1600, 15.8021



24.1860, 35.1600, 95.6275



49.8677, 35.1600, 75.7518



44.7444, 35.1600, 10.1857

Rectangle

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



21.0542, 35.1600, 15.8021



19.1072, 35.1600, 52.2378



49.8677, 35.1600, 75.7518



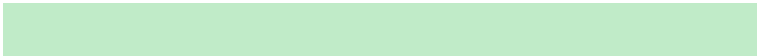
53.5257, 35.1600, 27.0655

Sweetspot

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



21.0551, 35.1615, 15.8029



61.9026, 74.6334, 66.0528



32.3269, 41.0641, 12.1839



12.8903, 15.8942, 13.5566



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.



21.0551, 35.1615, 15.8029



33.7788, 61.1011, 21.0886



24.3247, 36.4693, 33.0205



8.4531, 9.5157, 9.3796



11.6156, 22.8722, 4.9786



0.3851, 0.7275, 0.2599

Inverse Universe

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



27.6556, 16.8690, 35.0574



46.5750, 25.4469, 58.2751



23.9031, 15.3681, 15.2974



8.7791, 8.6183, 10.3351



16.7617, 8.2222, 19.7031



0.5453, 0.2659, 0.7143

Previews

White Background



This preview shows how the XYZ color 21.0542, 35.1600, 15.8021 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 21.0542, 35.1600, 15.8021 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 21.0542, 35.1600, 15.8021

Background



This preview shows how black text looks on a background with the XYZ color 21.0542, 35.1600, 15.8021.



This preview shows how white text looks on a background with the XYZ color 21.0542, 35.1600,

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

21.0542, 35.1600, 15.8021

Protanopia

31.6776, 34.5503, 13.3868

Deuteranopia

35.2186, 34.5638, 16.6196



Tritanopia

28.1437, 35.1154, 51.1936

Trichromacy



Original Color

21.0542, 35.1600, 15.8021



Protanomaly

25.8555, 33.6439, 14.1480



Deuteranomaly

27.4213, 33.3348, 16.0553



Tritanomaly

24.8464, 34.9205, 34.7090

Monochromacy



Original Color

21.0542, 35.1600, 15.8021



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.9462, 28.0691, 22.3503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0542, 35.1600, 15.8021 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(71, 181, 92)` looks like.

```
.text, #text, p{  
    color:rgb(71, 181, 92)  
}
```

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(71, 181, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 181, 92) }
```

Border

The CSS property to change the border of an element to XYZ 21.0542, 35.1600, 15.8021 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(71, 181, 92) }
```


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

```
.border{ border-color:rgb(71, 181, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 181, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 181, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 181, 92);  
box-shadow:4px 4px 4px 4px rgb(71, 181,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0542, 35.1600, 15.8021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 181, 92) }
```

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

```
.background{ background-color: rgb(71, 181,  
92) }
```

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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