

Converting Colors

XYZ(20.5713, 32.2866, 15.0452)

Have a look what the booklet for
XYZ(20.5713, 32.2866, 15.0452)
contains.

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Color

**XYZ(20.5713, 32.2866,
15.0452)**

Conversions

Conversions Part 1

Format	Color
Hex	57AC5B
RGB	87, 172, 91
RGB Percent	34%, 67%, 36%
CMY	0.6588, 0.3255, 0.6431
CMYK	0.49, 0.00, 0.47, 0.33
HSL	123°, 34%, 51%
HSV	123°, 49%, 67%
XYZ	20.5713, 32.2866, 15.0452
YIQ	137.3510, -24.6590, -43.2110

Conversions

Conversions Part 2

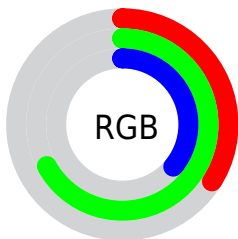
Format	Color
RYB	87, 168, 172
Decimal	5745755
CIELab	63.58, -42.81, 33.81
CIELCh	64, 54.552, 141.703
Yxy	32.2866, 0.3030, 0.4755
Android (android.graphics.Color)	4283935835 (0xFF57AC5B)
YUV	137.3510, -22.8510, -44.1578
Hunter-Lab	56.8213, -34.8140, 24.0760

Details

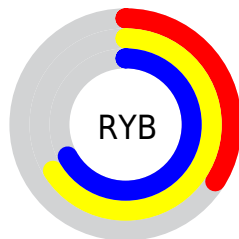
The XYZ color **20.5713, 32.2866, 15.0452** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **27.4903, 18.4147, 39.1522**, and the grayscale version is **24.0020, 25.2520, 27.4994**.

A 20% lighter version of the original color is **43.7812, 63.1906, 35.4807**, and **7.4667, 13.5938, 4.4208** is the 20% darker color. If you saturate the color by 10%, you get **18.5213, 31.3037, 11.6531**, and if you desaturate by 10%, it is **23.1600, 33.5312, 19.2700**.

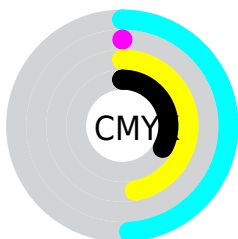
Distribution



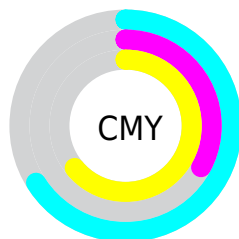
- Red (34%)
- Green (67%)
- Blue (36%)



- Red (34%)
- Yellow (66%)
- Blue (67%)



- Cyan (49%)
- Magenta (0%)
- Yellow (47%)
- Black (33%)



- Cyan (66%)
- Magenta (33%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5713, 32.2866, 15.0452 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 20.5713, 32.2866, 15.0452 by changing the saturation by 10% instead.

■ 20.5713, 32.2866,
15.0452

■ 20.5713, 32.2866,
15.0452

247.7664,
312.4227, 235.2898

■ 12.9217, 21.5805,
8.7041

■ 43.8696, 63.2601,
35.6759

■ 7.4513, 13.5490,
4.4545

■ 60.2490, 84.2963,
50.8026

■ 3.7947, 7.8077,
1.8779

■ 80.2691, 109.5447,
69.6949

■ 1.5867, 3.9721,
0.4786

■ 104.2951,
139.3896, 92.7714

■ 0.3837, 1.6580,
0.0000

132.6925,
174.2155, 120.4506

■ 0.0000, 0.3962,
0.0000

165.8266,

■ 0.0000, 0.0000,

214.4067, 153.1510

0.0000

204.0628,
260.3477, 191.2913

■ 20.5713, 32.2866,
15.0452

■ 20.5713, 32.2866,
15.0452

■ 18.5213, 31.3037,
11.6531

■ 23.1600, 33.5312,
19.2700

■ 16.9698, 30.5601,
9.0368

■ 26.3191, 35.0501,
24.3752

■ 15.8748, 30.0366,
7.1355


■ 30.0807, 36.8596,
30.4074


■ 15.1866, 29.7090,
5.8787


■ 34.4738, 38.9740,
37.4095


■ 14.8152, 29.5326,
5.1794


■ 39.5257, 41.4062,
45.4214

 14.7975, 29.5241,
5.1513

 45.2619, 44.1687,
54.4810

 51.7066, 47.2733,
64.6242

 58.8828, 50.7309,
75.8851

 66.8125, 54.5523,
88.2965

Harmonies

Analogous

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



25.5853, 32.2866, 8.8150



20.5713, 32.2866, 15.0452



18.3598, 32.2866, 29.4442

Triad

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



20.5713, 32.2866, 15.0452



28.6227, 32.2866, 95.1130



46.4000, 32.2866, 21.8166

Complementary

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



20.5713, 32.2866, 15.0452



27.4903, 18.4147, 39.1522

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.



47.5752, 32.2866, 41.5594



20.5713, 32.2866, 15.0452



36.4264, 32.2866, 90.2782

Square

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



20.5713, 32.2866, 15.0452



22.4786, 32.2866, 79.3997



43.6720, 32.2866, 68.0705



40.6850, 32.2866, 11.4467

Rectangle

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



20.5713, 32.2866, 15.0452



18.4673, 32.2866, 44.3644



43.6720, 32.2866, 68.0705



47.3731, 32.2866, 27.3167

Sweetspot

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



20.5721, 32.2880, 15.0459



57.7343, 68.3894, 60.2155



32.8722, 38.6483, 14.7442



12.2041, 14.6976, 12.5391



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.5721, 32.2880, 15.0459



33.3931, 56.6884, 20.7959



22.8715, 33.2077, 27.1546



7.9192, 8.9452, 8.5996



11.0171, 21.9721, 3.8638



0.3113, 0.6132, 0.1330

Inverse Universe

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



27.4903, 18.4147, 39.1522



47.3689, 28.6370, 69.4755



24.2314, 17.1112, 21.9912



8.3205, 8.1415, 9.9988



17.6465, 8.5211, 26.8475



0.4958, 0.2390, 0.7725

Previews

White Background



This preview shows how the XYZ color 20.5713, 32.2866, 15.0452 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 20.5713, 32.2866, 15.0452 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 20.5713, 32.2866, 15.0452

Background



This preview shows how black text looks on a background with the XYZ color 20.5713, 32.2866, 15.0452.



This preview shows how white text looks on a background with the XYZ color 20.5713, 32.2866,

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

20.5713, 32.2866, 15.0452

Protanopia

29.1399, 31.7474, 12.9795

Deuteranopia

32.4441, 31.7351, 15.7248



Tritanopia

26.5825, 31.9785, 45.8457

Trichromacy



Original Color

20.5713, 32.2866, 15.0452

Protanomaly

24.9386, 31.3187, 13.7475

Deuteranomaly

26.1813, 30.6585, 15.3642

Tritanomaly

23.7841, 31.9134, 31.6944

Monochromacy



Original Color

20.5713, 32.2866, 15.0452

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

21.9043, 27.0907, 21.8438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5713, 32.2866, 15.0452 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(87, 172, 91)` looks like.

```
.text, #text, p{  
    color:rgb(87, 172, 91)  
}
```

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(87, 172, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 172, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.5713, 32.2866, 15.0452 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(87, 172, 91) }
```


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

```
.border{ border-color:rgb(87, 172, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 172, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 172, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 172, 91);  
box-shadow:4px 4px 4px 4px rgb(87, 172,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5713, 32.2866, 15.0452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 172, 91) }
```

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

```
.background{ background-color: rgb(87, 172,  
91) }
```

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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