

Converting Colors

XYZ(22.5355, 29.8833, 35.4732)

Have a look what the booklet for
XYZ(22.5355, 29.8833, 35.4732)
contains.

XYZ(22.4990, 29.8347, 35.5832)	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(22.4990, 29.8347,
35.5832)**

Conversions

Conversions Part 1

Format	Color
Hex	56A19B
RGB	86, 161, 155
RGB Percent	34%, 63%, 61%
CMY	0.6627, 0.3686, 0.3922
CMYK	0.47, 0.00, 0.04, 0.37
HSL	175°, 30%, 48%
HSV	175°, 47%, 63%
XYZ	22.4990, 29.8347, 35.5832
YIQ	137.8910, -42.7740, -17.7660

Conversions

Conversions Part 2

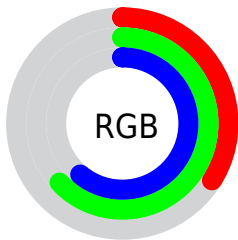
Format	Color
R_{YB}	86, 125, 161
Decimal	5677467
CIE _{Lab}	61.51, -24.80, -4.12
CIE _{LCh}	62, 25.142, 189.432
Yxy	29.8347, 0.2559, 0.3394
Android (android.graphics.Color)	4283867547 (0xFF56A19B)
YUV	137.8910, 8.4347, -45.5084
Hunter-Lab	54.6211, -22.0611, -0.3899

Details

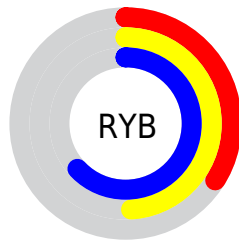
The XYZ color **22.4990, 29.8347, 35.5832** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.9585, 15.0062, 11.9708**, and the grayscale version is **24.0972, 25.3521, 27.6085**.

A 20% lighter version of the original color is **47.0490, 59.3779, 69.3029**, and **8.4462, 12.1836, 15.0032** is the 20% darker color. If you saturate the color by 10%, you get **21.0730, 29.1127, 34.9552**, and if you desaturate by 10%, it is **24.2619, 30.7316, 36.2343**.

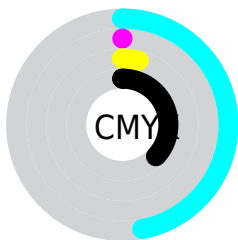
Distribution



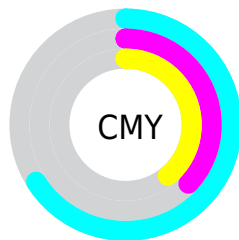
- Red (34%)
- Green (63%)
- Blue (61%)



- Red (34%)
- Yellow (49%)
- Blue (63%)



- Cyan (47%)
- Magenta (0%)
- Yellow (4%)
- Black (37%)



- Cyan (66%)
- Magenta (37%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4990, 29.8347, 35.5832 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 22.4990, 29.8347, 35.5832 by changing the saturation by 10% instead.

■ 22.4990, 29.8347,
35.5832

■ 22.4990, 29.8347,
35.5832

257.7249,
301.1332, 342.1172

■ 14.3427, 19.7132,
23.8253

■ 47.0421, 59.4007,
69.5500

■ 8.4427, 12.1867,
14.9931

■ 64.1596, 79.6139,
92.5961

■ 4.4337, 6.8710,
8.6680

■ 84.9948, 103.9598,
120.2420

■ 1.9503, 3.3815,
4.4314

■ 109.9132,
132.8227, 152.9062

■ 0.6058, 1.3340,
1.8649

139.2800,
166.5872, 191.0072

■ 0.0000, 0.1673,
0.4702

173.4607,

■ 0.0000, 0.0000,

205.6374, 234.9638

0.0000

212.8205,
250.3580, 285.1943

■ 22.4990, 29.8347,
35.5832

■ 22.4990, 29.8347,
35.5832

■ 21.0730, 29.1127,
34.9552

■ 24.2619, 30.7316,
36.2343

■ 19.9584, 28.5504,
34.3472

■ 26.3795, 31.8106,
36.9073

■ 19.1307, 28.1359,
33.7586


■ 28.8718, 33.0826,
37.6039

■ 18.5603, 27.8539,
33.1880


■ 31.7562, 34.5566,
38.3250


■ 18.2039, 27.6821,
32.6334


■ 35.0494, 36.2412,
39.0713

 18.1001, 27.6326,
32.4461

 38.7667, 38.1443,
39.8436

 42.9229, 40.2735,
40.6426

 47.5321, 42.6361,
41.4689

 52.6076, 45.2390,
42.3232

Harmonies

Analogous

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



22.7757, 29.8347, 26.4603



22.4990, 29.8347, 35.5832



23.6943, 29.8347, 45.5771

Triad

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



22.4990, 29.8347, 35.5832



32.6206, 29.8347, 48.8030



30.6660, 29.8347, 18.1654

Complementary

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



22.4990, 29.8347, 35.5832



19.9585, 15.0062, 11.9708

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.



33.5945, 29.8347, 22.1758



22.4990, 29.8347, 35.5832



34.7829, 29.8347, 39.3610

Square

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



22.4990, 29.8347, 35.5832



29.4191, 29.8347, 54.1353



35.1526, 29.8347, 29.5719



27.3207, 29.8347, 17.5476

Rectangle

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



22.4990, 29.8347, 35.5832



25.2244, 29.8347, 50.9664



35.1526, 29.8347, 29.5719



31.7388, 29.8347, 19.1177

Sweetspot

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



22.4999, 29.8359, 35.5839



52.8398, 59.8256, 67.6387



18.8641, 28.4510, 13.3021



11.3701, 13.0091, 14.7773



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.4999, 29.8359, 35.5839



37.6328, 52.0830, 62.5478



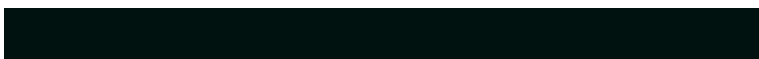
18.2211, 20.4515, 36.7067



7.2515, 8.0014, 8.9364



14.4625, 22.0713, 25.9496



0.3106, 0.4664, 0.5806

Inverse Universe

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



19.9585, 15.0062, 11.9708



32.5176, 22.1718, 14.9740



22.7691, 21.0309, 11.6640



7.0957, 7.0947, 7.4904



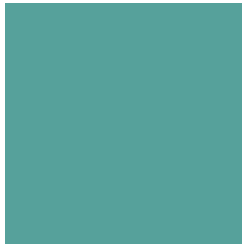
11.8030, 6.0772, 0.8870



0.2545, 0.1303, 0.0528

Previews

White Background



This preview shows how the XYZ color 22.4990, 29.8347, 35.5832 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 22.4990, 29.8347, 35.5832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

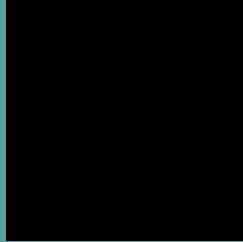
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4990, 29.8347, 35.5832

Background



This preview shows how black text looks on a background with the XYZ color 22.4990, 29.8347, 35.5832.



This preview shows how white text looks on a background with the XYZ color 22.4990, 29.8347,

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

22.4990, 29.8347, 35.5832

Protanopia

28.2779, 29.4581, 31.7993

Deuteranopia

30.1359, 29.6178, 36.9294



Tritanopia

24.0632, 29.9607, 43.0428

Trichromacy



Original Color

22.4990, 29.8347, 35.5832

Protanomaly

25.4857, 29.1705, 33.1414

Deuteranomaly

26.4380, 29.1066, 36.5725

Tritanomaly

23.4822, 29.9821, 40.1468

Monochromacy



Original Color

22.4990, 29.8347, 35.5832

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.9207, 26.4933, 30.2912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4990, 29.8347, 35.5832 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(86, 161, 155)` looks like.

```
.text, #text, p{  
    color:rgb(86, 161, 155)  
}
```

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(86, 161, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 161, 155) }
```

Border

The CSS property to change the border of an element to XYZ 22.4990, 29.8347, 35.5832 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(86, 161, 155) }
```


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

```
.border{ border-color:rgb(86, 161, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 161, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 161, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 161, 155);  
box-shadow:4px 4px 4px 4px rgb(86, 161,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4990, 29.8347, 35.5832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 161, 155) }
```

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

```
.background{ background-color: rgb(86, 161,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor