

Converting Colors

XYZ(20.7133, 32.8825, 14.4390)

Have a look what the booklet for
XYZ(20.7133, 32.8825, 14.4390)
contains.

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Color

**XYZ(20.7353, 32.9551,
14.5006)**

Conversions

Conversions Part 1

Format	Color
Hex	56AE58
RGB	86, 174, 88
RGB Percent	34%, 68%, 35%
CMY	0.6627, 0.3176, 0.6549
CMYK	0.51, 0.00, 0.49, 0.32
HSL	121°, 35%, 51%
HSV	121°, 51%, 68%
XYZ	20.7353, 32.9551, 14.5006
YIQ	137.8840, -24.8420, -45.4020

Conversions

Conversions Part 2

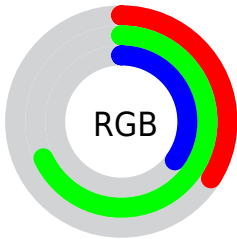
Format	Color
RYB	86, 172, 174
Decimal	5680728
CIELab	64.12, -44.37, 36.01
CIELCh	64, 57.143, 140.936
Yxy	32.9551, 0.3041, 0.4833
Android (android.graphics.Color)	4283870808 (0xFF56AE58)
YUV	137.8840, -24.5928, -45.5023
Hunter-Lab	57.4065, -35.9870, 25.2082

Details

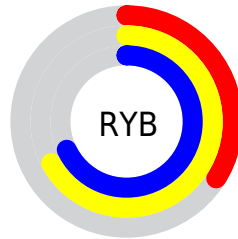
The XYZ color **20.7353, 32.9551, 14.5006** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **28.2308, 18.6335, 41.1397**, and the grayscale version is **24.2116, 25.4725, 27.7395**.

A 20% lighter version of the original color is **44.1858, 64.2379, 34.8813**, and **7.5803, 14.0154, 4.2252** is the 20% darker color. If you saturate the color by 10%, you get **18.7000, 31.9789, 11.1478**, and if you desaturate by 10%, it is **23.3266, 34.2008, 18.7385**.

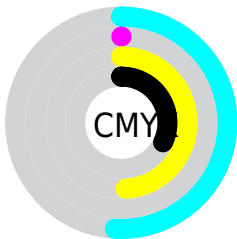
Distribution



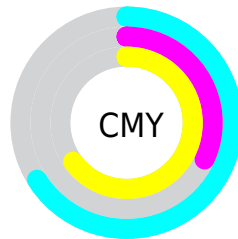
- Red (34%)
- Green (68%)
- Blue (35%)



- Red (34%)
- Yellow (67%)
- Blue (68%)



- Cyan (51%)
- Magenta (0%)
- Yellow (49%)
- Black (32%)



- Cyan (66%)
- Magenta (32%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7353, 32.9551, 14.5006 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 20.7353, 32.9551, 14.5006 by changing the saturation by 10% instead.

■ 20.7353, 32.9551,
14.5006

■ 20.7353, 32.9551,
14.5006

248.6268,
315.4474, 231.8589

■ 13.0420, 22.0921,
8.3269

■ 44.1412, 64.3054,
34.7045

■ 7.5347, 13.9246,
4.2141

■ 60.5845, 85.5615,
49.5718

■ 3.8480, 8.0682,
1.7435

■ 80.6752, 111.0507,
68.1741

■ 1.6165, 4.1386,
0.3903

■ 104.7786,
141.1574, 90.9299

■ 0.4031, 1.7514,
0.0000

133.2601,
176.2660, 118.2577

■ 0.0000, 0.4566,
0.0000

166.4851,

■ 0.0000, 0.0000,

216.7610, 150.5762

0.0000

204.8189,
263.0266, 188.3037

■ 20.7353, 32.9551,
14.5006

■ 20.7353, 32.9551,
14.5006

■ 18.7000, 31.9789,
11.1478

■ 23.3266, 34.2008,
18.7385

■ 17.1777, 31.2487,
8.6154

■ 26.5077, 35.7295,
23.9155

■ 16.1236, 30.7436,
6.8336

■ 30.3128, 37.5585,
30.0842

■ 15.4834, 30.4375,
5.7200

■ 34.7728, 39.7027,
37.2926

■ 15.1584, 30.2820,
5.1597

■ 39.9163, 42.1761,
45.5853

■ 45.7704, 44.9916,
55.0046

■ 52.3608, 48.1616,
65.5905

■ 59.7117, 51.6977,
77.3810

■ 67.8463, 55.6113,
90.4123

Harmonies

Analogous

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



26.0892, 32.9551, 8.2922



20.7353, 32.9551, 14.5006



18.3412, 32.9551, 29.3147

Triad

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



20.7353, 32.9551, 14.5006



28.9367, 32.9551, 100.2618



48.2040, 32.9551, 22.2076

Complementary

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



20.7353, 32.9551, 14.5006



28.2308, 18.6335, 41.1397

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.



49.3219, 32.9551, 43.3646



20.7353, 32.9551, 14.5006



37.2133, 32.9551, 95.6071

Square

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



20.7353, 32.9551, 14.5006



22.5108, 32.9551, 82.7485



45.0121, 32.9551, 71.8942



42.1782, 32.9551, 11.2244

Rectangle

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



20.7353, 32.9551, 14.5006



18.4029, 32.9551, 45.0100



45.0121, 32.9551, 71.8942



49.2026, 32.9551, 28.0808

Sweetspot

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



20.7361, 32.9565, 14.5013



59.1260, 70.1169, 61.2692



33.9477, 39.7768, 14.6929



12.7739, 15.4076, 13.0237



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.7361, 32.9565, 14.5013



33.4453, 57.7773, 19.4364



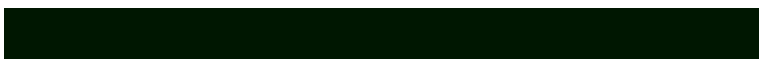
23.1032, 33.9033, 26.9661



7.9116, 8.9422, 8.5595



10.9970, 21.9641, 3.7581



0.3083, 0.6120, 0.1169

Inverse Universe

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



28.2308, 18.6335, 41.1397



48.6223, 28.7574, 73.3688



24.7158, 17.2275, 22.6300



8.3291, 8.1449, 10.0438



17.9294, 8.6343, 28.3375



0.5012, 0.2412, 0.8010

Previews

White Background



This preview shows how the XYZ color 20.7353, 32.9551, 14.5006 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 20.7353, 32.9551, 14.5006 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 20.7353, 32.9551, 14.5006

Background



This preview shows how black text looks on a background with the XYZ color 20.7353, 32.9551, 14.5006.



This preview shows how white text looks on a background with the XYZ color 20.7353, 32.9551,

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

20.7353, 32.9551, 14.5006

Protanopia

29.7841, 32.5828, 12.5039

Deuteranopia

32.9928, 32.2585, 15.3141



Tritanopia

27.1551, 32.7894, 46.4927

Trichromacy



Original Color

20.7353, 32.9551, 14.5006



Protanomaly

25.1680, 31.9697, 13.2318



Deuteranomaly

26.5664, 31.3707, 14.7802



Tritanomaly

24.2591, 32.7022, 31.8216

Monochromacy



Original Color

20.7353, 32.9551, 14.5006



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.0645, 27.4112, 21.8973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7353, 32.9551, 14.5006 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, 174, 88)` looks like.

```
.text, #text, p{  
    color:rgb(86, 174, 88)  
}
```

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, 174, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 174, 88) }
```

Border

The CSS property to change the border of an element to XYZ 20.7353, 32.9551, 14.5006 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, 174, 88) }
```


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

```
.border{ border-color:rgb(86, 174, 88) }
```

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

Here you see how a box with a 4 pixel rgb(86, 174, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 174, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 174, 88);  
box-shadow:4px 4px 4px 4px rgb(86, 174,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7353, 32.9551, 14.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 174, 88) }
```

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

```
.background{ background-color: rgb(86, 174,  
88) }
```

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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