

Converting Colors

XYZ(20.9778, 32.2355, 11.7525)

Have a look what the booklet for
XYZ(20.9778, 32.2355, 11.7525)
contains.

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Color

**XYZ(20.9785, 32.2865,
11.7828)**

Conversions

Conversions Part 1

Format	Color
Hex	63AB4B
RGB	99, 171, 75
RGB Percent	39%, 67%, 29%
CMY	0.6118, 0.3294, 0.7059
CMYK	0.42, 0.00, 0.56, 0.33
HSL	105°, 39%, 48%
HSV	105°, 56%, 67%
XYZ	20.9785, 32.2865, 11.7828
YIQ	138.5280, -12.0960, -45.1200

Conversions

Conversions Part 2

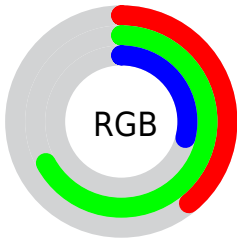
Format	Color
RYB	75, 171, 147
Decimal	6531915
CIELab	63.58, -40.84, 41.90
CIELCh	64, 58.513, 134.271
Yxy	32.2865, 0.3225, 0.4964
Android (android.graphics.Color)	4284721995 (0xFF63AB4B)
YUV	138.5280, -31.3193, -34.6661
Hunter-Lab	56.8212, -33.5346, 27.4801

Details

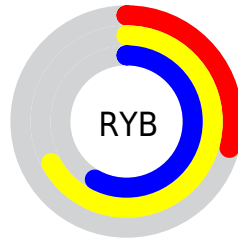
The XYZ color **20.9785, 32.2865, 11.7828** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **21.9010, 14.1765, 40.1119**, and the grayscale version is **24.4797, 25.7545, 28.0467**.

A 20% lighter version of the original color is **44.5614, 63.3146, 29.6110**, and **7.6396, 13.5364, 3.0743** is the 20% darker color. If you saturate the color by 10%, you get **19.1787, 31.4184, 9.0435**, and if you desaturate by 10%, it is **23.1598, 33.3350, 15.3625**.

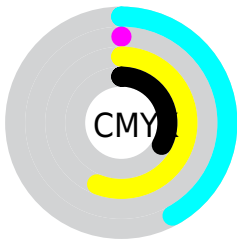
Distribution



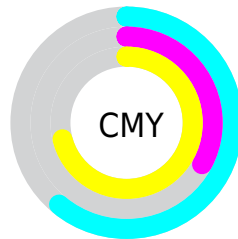
- Red (39%)
- Green (67%)
- Blue (29%)



- Red (29%)
- Yellow (67%)
- Blue (58%)



- Cyan (42%)
- Magenta (0%)
- Yellow (56%)
- Black (33%)



- Cyan (61%)
- Magenta (33%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9785, 32.2865, 11.7828 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 20.9785, 32.2865, 11.7828 by changing the saturation by 10% instead.

■ 20.9785, 32.2865,
11.7828

■ 20.9785, 32.2865,
11.7828

249.8981,
312.4223, 213.8886

■ 13.2207, 21.5804,
6.4752

■ 44.5433, 63.2600,
29.7574

■ 7.6587, 13.5489,
3.0627

■ 61.0810, 84.2961,
43.2614

■ 3.9273, 7.8076,
1.1267

■ 81.2759, 109.5445,
60.3347

■ 1.6611, 3.9721,
0.0000

■ 105.4936,
139.3894, 81.3958

■ 0.4317, 1.6580,
0.0000

■ 134.0993,
174.2152, 106.8632

■ 0.0000, 0.3962,
0.0000

167.4584,

■ 0.0000, 0.0000,

214.4064, 137.1554

0.0000

205.9362,
260.3473, 172.6911

■ 20.9785, 32.2865,
11.7828

■ 20.9785, 32.2865,
11.7828

■ 19.1787, 31.4184,
9.0435

■ 23.1598, 33.3350,
15.3625

■ 17.7345, 30.7160,
7.0738

■ 25.7415, 34.5695,
19.8413

■ 16.6206, 30.1689,
5.7951

■ 28.7441, 36.0002,
25.2753

■ 15.8044, 29.7627,
5.1014

■ 32.1857, 37.6354,
31.7153

■ 15.5492, 29.6353,
4.9007

■ 36.0836, 39.4831,
39.2086

■ 40.4540, 41.5505,
47.7995

■ 45.3124, 43.8447,
57.5297

■ 50.6734, 46.3725,
68.4387

■ 56.5510, 49.1403,
80.5642

Harmonies

Analogous

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



26.9767, 32.2865, 7.0995



20.9785, 32.2865, 11.7828



17.9173, 32.2865, 24.3172

Triad

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



20.9785, 32.2865, 11.7828



26.6239, 32.2865, 98.6488



48.5618, 32.2865, 25.1924

Complementary

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



20.9785, 32.2865, 11.7828



21.9010, 14.1765, 40.1119

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.



48.4215, 32.2865, 48.8110



20.9785, 32.2865, 11.7828



34.7236, 32.2865, 99.2395

Square

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



20.9785, 32.2865, 11.7828



20.7599, 32.2865, 76.8236



43.0069, 32.2865, 78.1949



43.3619, 32.2865, 12.1777

Rectangle

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



20.9785, 32.2865, 11.7828



17.5396, 32.2865, 38.6114



43.0069, 32.2865, 78.1949



49.1632, 32.2865, 31.9104

Sweetspot

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



20.9793, 32.2879, 11.7835



56.8836, 67.0409, 55.3640



28.4997, 30.0348, 10.9523



12.4093, 14.8194, 11.8258



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.



20.9793, 32.2879, 11.7835



33.7671, 55.9853, 15.3665



19.7177, 31.5240, 16.8506



8.0851, 9.0325, 8.5307



11.7633, 22.3613, 3.6962



0.3772, 0.6478, 0.1052

Inverse Universe

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



21.9010, 14.1765, 40.1119



35.4950, 20.3350, 71.0561



24.5783, 15.7975, 29.3589



8.1386, 8.0458, 10.0767



12.3310, 5.7167, 29.4980



0.3891, 0.1828, 0.8228

Previews

White Background



This preview shows how the XYZ color 20.9785, 32.2865, 11.7828 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 20.9785, 32.2865, 11.7828 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 20.9785, 32.2865, 11.7828

Background



This preview shows how black text looks on a background with the XYZ color 20.9785, 32.2865, 11.7828.



This preview shows how white text looks on a background with the XYZ color 20.9785, 32.2865,

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

20.9785, 32.2865, 11.7828

Protanopia

29.0430, 31.7582, 10.2294

Deuteranopia

32.5409, 31.8583, 12.4168



Tritanopia

27.5873, 32.2587, 44.8170

Trichromacy



Original Color

20.9785, 32.2865, 11.7828

Protanomaly

25.2097, 31.5258, 10.7176

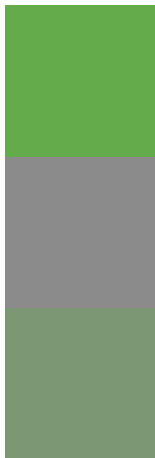
Deuteranomaly

26.8429, 31.0751, 11.9805

Tritanomaly

24.4730, 32.0602, 28.9431

Monochromacy



Original Color

20.9785, 32.2865, 11.7828

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.5312, 27.6793, 20.6781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9785, 32.2865, 11.7828 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(99, 171, 75)` looks like.

```
.text, #text, p{  
    color:rgb(99, 171, 75)  
}
```

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(99, 171, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 171, 75) }
```

Border

The CSS property to change the border of an element to XYZ 20.9785, 32.2865, 11.7828 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(99, 171, 75) }
```


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

```
.border{ border-color:rgb(99, 171, 75) }
```

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

Here you see how a box with a 4 pixel rgb(99, 171, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 171, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 171, 75);  
box-shadow:4px 4px 4px 4px rgb(99, 171,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9785, 32.2865, 11.7828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 171, 75) }
```

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

```
.background{ background-color: rgb(99, 171,  
75) }
```

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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