

Converting Colors

XYZ(29.4647, 46.5199, 20.7521)

Have a look what the booklet for
XYZ(29.4647, 46.5199, 20.7521)
contains.

XYZ(29.4993, 46.6154, 20.8075)	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(29.4993, 46.6154,
20.8075)**

Conversions

Conversions Part 1

Format	Color
Hex	67CB69
RGB	103, 203, 105
RGB Percent	40%, 80%, 41%
CMY	0.5961, 0.2039, 0.5882
CMYK	0.49, 0.00, 0.48, 0.20
HSL	121°, 49%, 60%
HSV	121°, 49%, 80%
XYZ	29.4993, 46.6154, 20.8075
YIQ	161.9280, -28.1420, -51.6780

Conversions

Conversions Part 2

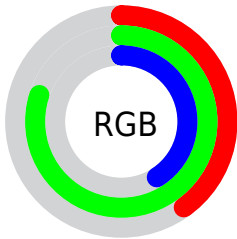
Format	Color
RYB	103, 201, 203
Decimal	6802281
CIELab	73.94, -49.16, 39.87
CIElCh	74, 63.297, 140.952
Yxy	46.6154, 0.3044, 0.4810
Android (android.graphics.Color)	4284992361 (0xFF67CB69)
YUV	161.9280, -28.0655, -51.6799
Hunter-Lab	68.2755, -42.3588, 29.7237

Details

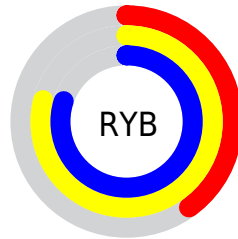
The XYZ color **29.4993, 46.6154, 20.8075** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.0229, 26.6149, 58.2875**, and the grayscale version is **34.4467, 36.2406, 39.4660**.

A 20% lighter version of the original color is **56.4288, 81.4622, 45.0974**, and **12.2343, 21.9479, 7.2060** is the 20% darker color. If you saturate the color by 10%, you get **26.5418, 45.1968, 15.9419**, and if you desaturate by 10%, it is **33.2635, 48.4250, 26.9613**.

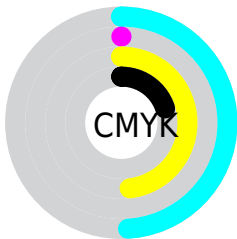
Distribution



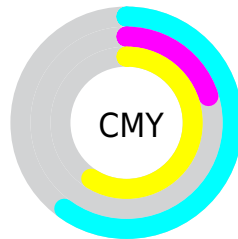
- Red (40%)
- Green (80%)
- Blue (41%)



- Red (40%)
- Yellow (79%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (48%)
- Black (20%)





- Cyan (60%)
- Magenta (20%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4993, 46.6154, 20.8075 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 29.4993, 46.6154, 20.8075 by changing the saturation by 10% instead.


 29.4993, 46.6154,
20.8075


 29.4993, 46.6154,
20.8075


291.5154,
373.2773, 269.0011


 19.6050, 32.7317,
12.7935


 58.2615, 85.1393,
45.6436


 12.2149, 21.9210,
7.1574

 77.8602, 110.5482,
63.3027

 6.9634, 13.7989,
3.4808


 101.4244,
140.5677, 85.0140

 3.4854, 7.9809,
1.3451

 129.3194,
175.5822, 111.1959

 1.4153, 4.0827,
0.0983

161.9107,
215.9759, 142.2670

 0.2671, 1.7199,
0.0000

199.5636,

 0.0000, 0.4365,

262.1335, 178.6459

0.0000

242.6434,
314.4391, 220.7511

■ 0.0000, 0.0000,
0.0000

■ 29.4993, 46.6154,
20.8075

■ 29.4993, 46.6154,
20.8075

■ 26.5418, 45.1968,
15.9419

■ 33.2635, 48.4250,
26.9613

■ 24.3290, 44.1350,
12.2703

■ 37.8838, 50.6451,
34.4824

■ 22.7957, 43.4000,
9.6907


■ 43.4094, 53.3010,
43.4473


■ 21.8635, 42.9541,
8.0827


■ 49.8852, 56.4142,
53.9260


■ 21.4059, 42.7355,
7.2794

■ 57.3527, 60.0047,
65.9839

 21.3791, 42.7227,
7.2362

 65.8514, 64.0915,
79.6825

 75.4181, 68.6924,
95.0800

 80.6469, 71.1938,
104.0990

Harmonies

Analogous

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



36.9905, 46.6154, 12.0275



29.4993, 46.6154, 20.8075



26.1448, 46.6154, 41.5964

Triad

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



29.4993, 46.6154, 20.8075



40.9807, 46.6154, 140.2004



67.8204, 46.6154, 31.6174

Complementary

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



29.4993, 46.6154, 20.8075



40.0229, 26.6149, 58.2875

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.



69.3794, 46.6154, 61.1707



29.4993, 46.6154, 20.8075



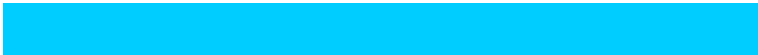
52.5287, 46.6154, 133.7344

Square

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



29.4993, 46.6154, 20.8075



31.9932, 46.6154, 115.9424



63.3879, 46.6154, 100.8405



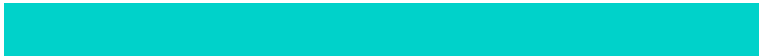
59.4322, 46.6154, 16.1719

Rectangle

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



29.4993, 46.6154, 20.8075



26.2330, 46.6154, 63.5040



63.3879, 46.6154, 100.8405



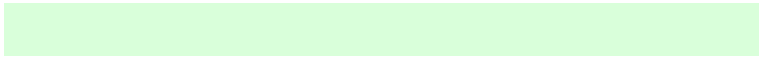
69.2107, 46.6154, 39.8399

Sweetspot

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



29.5005, 46.6174, 20.8085



76.8926, 91.2701, 79.5620



47.9833, 56.1573, 21.1427



15.9774, 19.3044, 16.2512



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.5005, 46.6174, 20.8085



44.2165, 75.5695, 26.3212



32.8392, 47.9528, 38.3899



11.0770, 12.5405, 11.9629



13.6090, 27.1889, 4.6260



0.7053, 1.4039, 0.2558

Inverse Universe

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



40.0229, 26.6149, 58.2875



63.8147, 38.2993, 96.1151



35.0933, 24.6431, 32.3283



11.6775, 11.3997, 14.1022



22.2336, 10.7040, 35.2785



1.1502, 0.5535, 1.8366

Previews

White Background



This preview shows how the XYZ color 29.4993, 46.6154, 20.8075 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 29.4993, 46.6154, 20.8075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

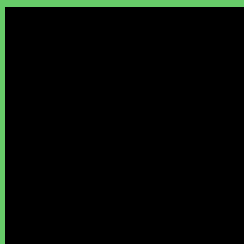
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4993, 46.6154, 20.8075

Background



This preview shows how black text looks on a background with the XYZ color 29.4993, 46.6154, 20.8075.

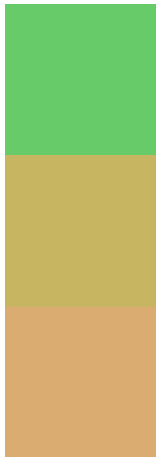


This preview shows how white text looks on a background with the XYZ color 29.4993, 46.6154,

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

29.4993, 46.6154, 20.8075

Protanopia

42.2347, 46.0529, 17.9724

Deuteranopia

46.6466, 45.6027, 21.9664



Tritanopia

38.5696, 46.5642, 65.9864

Trichromacy



Original Color

29.4993, 46.6154, 20.8075



Protanomaly

35.8077, 45.2078, 18.8953



Deuteranomaly

37.6525, 44.2229, 21.3032



Tritanomaly

34.3317, 46.1640, 45.1313

Monochromacy



Original Color

29.4993, 46.6154, 20.8075



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.5144, 39.0301, 31.0719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4993, 46.6154, 20.8075 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(103, 203, 105)` looks like.

```
.text, #text, p{  
    color:rgb(103, 203, 105)  
}
```

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(103, 203, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 203, 105) }
```

Border

The CSS property to change the border of an element to XYZ 29.4993, 46.6154, 20.8075 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(103, 203, 105) }
```


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

```
.border{ border-color:rgb(103, 203, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 203, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 203, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 203, 105);  
box-shadow:4px 4px 4px 4px rgb(103, 203,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4993, 46.6154, 20.8075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 203, 105) }
```

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

```
.background{ background-color: rgb(103,  
203, 105) }
```

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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