

Converting Colors

XYZ(68.8578, 70.0435, 31.0272)

Have a look what the booklet for
XYZ(68.8578, 70.0435, 31.0272)
contains.

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Color

**XYZ(68.8127, 69.9587,
30.9956)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD482
RGB	255, 212, 130
RGB Percent	100%, 83%, 51%
CMY	0.0000, 0.1686, 0.4902
CMYK	0.00, 0.17, 0.49, 0.00
HSL	39°, 100%, 75%
HSV	39°, 49%, 100%
XYZ	68.8127, 69.9587, 30.9956
YIQ	215.5090, 51.9500, -16.3860

Conversions

Conversions Part 2

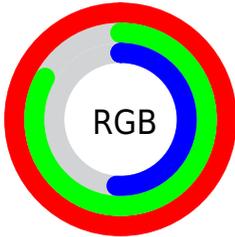
Format	Color
R_{YB}	196, 255, 130
Decimal	16766082
CIE _{Lab}	86.98, 5.10, 45.98
CIE _{LCh}	87, 46.262, 83.669
Yxy	69.9587, 0.4053, 0.4121
Android (android.graphics.Color)	4294956162 (0xFFFFD482)
YUV	215.5090, -42.1559, 34.6336
Hunter-Lab	83.6413, 0.4818, 36.5774

Details

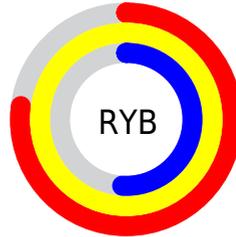
The XYZ color **68.8127, 69.9587, 30.9956** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.1988, 41.8512, 100.4613**, and the grayscale version is **65.1905, 68.5855, 74.6896**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **36.4031, 36.7540, 12.5727** is the 20% darker color. If you saturate the color by 10%, you get **65.1758, 65.0931, 22.3600**, and if you desaturate by 10%, it is **72.9962, 75.2388, 41.9072**.

Distribution



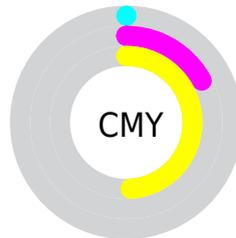
- Red (100%)
- Green (83%)
- Blue (51%)



- Red (77%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (17%)
- Yellow (49%)
- Black (0%)



- Cyan (0%)
- Magenta (17%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8127, 69.9587, 30.9956 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 68.8127, 69.9587, 30.9956 by changing the saturation by 10% instead.

 68.8127, 69.9587,
30.9956

 68.8127, 69.9587,
30.9956

445.7018,
460.4050, 320.8686

 50.8353, 51.4929,
20.3371

 116.5495,
119.1499, 62.3126

 36.2980, 36.6010,
12.4538

 147.0397,
150.6440, 83.8082

 24.8356, 24.8987,
6.9272

 182.4314,
187.2496, 109.7532

 16.0827, 16.0016,
3.3389

223.0901,
229.3512, 140.5662

 9.6739, 9.5253,
1.2702

269.3812,
277.3332, 176.6657

 5.2439, 5.0854,
0.0372

321.6699,

 2.4273, 2.2974,

331.5799, 218.4702

0.0000

380.3217,
392.4757, 266.3984

■ 0.8587, 0.7724,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8127, 69.9587,
30.9956

■ 68.8127, 69.9587,
30.9956

■ 65.1758, 65.0931,
22.3600

■ 72.9962, 75.2388,
41.9072

■ 62.0467, 60.6155,
15.8273

■ 77.7517, 80.9386,
55.2420

■ 59.3887, 56.5109,
11.2066

■ 83.1089, 87.0755,
71.1398

■ 57.1566, 52.7580,
8.2696

■ 89.0937, 93.6625,
89.7284

■ 55.2845, 49.3273, 95.0498, 99.9999,
6.6792 108.9000

■ 55.1122, 49.0047,
6.5541

Harmonies

Analogous

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



79.5875, 69.9587, 37.5687



68.8127, 69.9587, 30.9956



58.4913, 69.9587, 33.6173

Triad

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



68.8127, 69.9587, 30.9956



49.2115, 69.9587, 102.6651



84.6888, 69.9587, 117.1756

Complementary

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



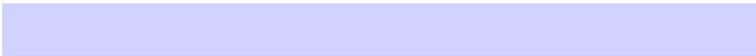
68.8127, 69.9587, 30.9956



42.1988, 41.8512, 100.4613

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.



75.1944, 69.9587, 144.7580



68.8127, 69.9587, 30.9956



54.9210, 69.9587, 134.9163

Square

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



68.8127, 69.9587, 30.9956



47.8961, 69.9587, 69.7941



64.2273, 69.9587, 152.0034



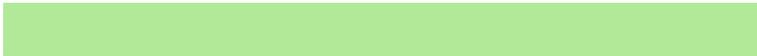
89.3724, 69.9587, 82.9294

Rectangle

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



68.8127, 69.9587, 30.9956



53.1460, 69.9587, 40.7104



64.2273, 69.9587, 152.0034



81.9077, 69.9587, 127.8713

Sweetspot

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



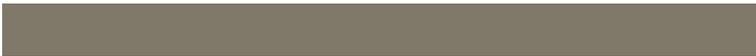
68.8144, 69.9620, 30.9970



85.4376, 89.6682, 78.2799



56.8385, 40.2721, 44.6950



18.0230, 18.8997, 15.9417



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.



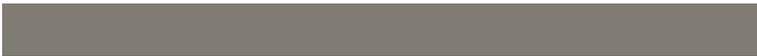
68.8144, 69.9620, 30.9970



65.1824, 65.1021, 22.3741



74.4643, 91.0071, 34.7613



19.0044, 19.9770, 18.9986



28.9420, 25.8953, 3.4729



2.9198, 2.7250, 0.3721

Inverse Universe

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



42.1988, 41.8512, 100.4613



35.7614, 34.0729, 99.2996



38.3820, 29.5521, 98.2885



17.5138, 18.3992, 22.8783



11.3669, 7.6434, 50.3108



1.2038, 0.9383, 4.9309

Previews

White Background



This preview shows how the XYZ color 68.8127, 69.9587, 30.9956 looks on a white background.

Color Contrast Check

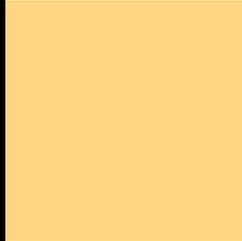
Large Text (above 18pt) WCAG AA × Fail

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 68.8127, 69.9587, 30.9956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

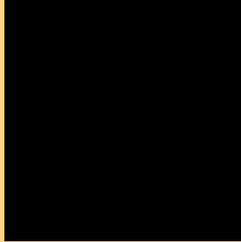
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8127, 69.9587, 30.9956

Background



This preview shows how black text looks on a background with the XYZ color 68.8127, 69.9587, 30.9956.



This preview shows how white text looks on a background with the XYZ color 68.8127, 69.9587,

30.9956.

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

68.8127, 69.9587, 30.9956

Protanopia

64.4962, 69.9859, 31.9391

Deuteranopia

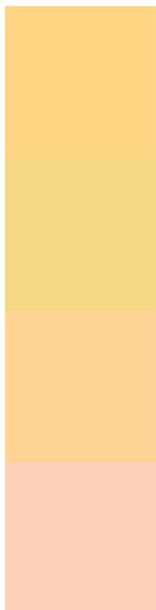
70.2873, 69.7535, 41.2117



Tritanopia

75.5957, 69.9324, 75.1596

Trichromacy



Original Color

68.8127, 69.9587, 30.9956

Protanomaly

65.9608, 69.9835, 31.5044

Deuteranomaly

69.8007, 69.9551, 37.4276

Tritanomaly

72.5528, 69.8745, 55.5621

Monochromacy



Original Color

68.8127, 69.9587, 30.9956

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.6905, 68.9267, 55.7409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8127, 69.9587, 30.9956 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(255, 212, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 130)  
}
```

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(255, 212, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 130) }
```

Border

The CSS property to change the border of an element to XYZ 68.8127, 69.9587, 30.9956 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(255, 212, 130) }
```

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

```
.border{ border-color:rgb(255, 212, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 212, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8127, 69.9587, 30.9956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 130) }
```

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

```
.background{ background-color: rgb(255,  
212, 130) }
```

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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