

Converting Colors

XYZ(36.3744, 56.6774, 29.7916)

Have a look what the booklet for
XYZ(36.3744, 56.6774, 29.7916)
contains.

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Color

**XYZ(36.3744, 56.6774,
29.7916)**

Conversions

Conversions Part 1

Format	Color
Hex	6FDD81
RGB	111, 221, 129
RGB Percent	44%, 87%, 51%
CMY	0.5647, 0.1333, 0.4941
CMYK	0.50, 0.00, 0.42, 0.13
HSL	130°, 62%, 65%
HSV	130°, 50%, 87%
XYZ	36.3744, 56.6774, 29.7916
YIQ	177.6220, -36.0280, -51.9320

Conversions

Conversions Part 2

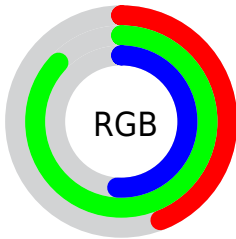
Format	Color
RYB	111, 206, 221
Decimal	7331201
CIELab	80.00, -50.77, 35.67
CIElCh	80, 62.050, 144.906
Yxy	56.6774, 0.2961, 0.4614
Android (android.graphics.Color)	4285521281 (0xFF6FDD81)
YUV	177.6220, -23.9706, -58.4275
Hunter-Lab	75.2844, -45.5036, 29.2368

Details

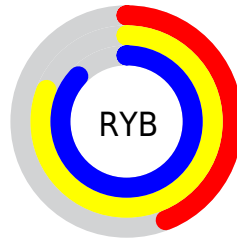
The XYZ color **36.3744, 56.6774, 29.7916** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **46.2844, 31.0538, 60.0559**, and the grayscale version is **42.2545, 44.4550, 48.4115**.

A 20% lighter version of the original color is **60.6694, 83.3739, 57.6949**, and **16.1457, 28.1384, 11.7880** is the 20% darker color. If you saturate the color by 10%, you get **32.8107, 54.9712, 23.7816**, and if you desaturate by 10%, it is **40.8511, 58.8318, 37.0069**.

Distribution



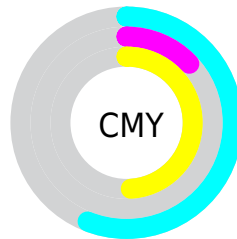
- Red (44%)
- Green (87%)
- Blue (51%)



- Red (44%)
- Yellow (81%)
- Blue (87%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (13%)





- Cyan (56%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3744, 56.6774, 29.7916 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 36.3744, 56.6774, 29.7916 by changing the saturation by 10% instead.


 36.3744, 56.6774,
29.7916


 36.3744, 56.6774,
29.7916


321.9968,
412.2394, 315.1089


 24.8949, 40.7463,
19.4298


 68.9297, 99.9943,
60.3896

 16.1271, 28.1209,
11.8013


 90.7362, 128.1489,
81.4627

 9.7056, 18.4168,
6.4876


 116.7157,
161.1468, 106.9435

 5.2649, 11.2496,
3.0702

147.2337,
199.3724, 137.2502

 2.4399, 6.2350,
1.1306

182.6554,
243.2100, 172.8016

 0.8650, 2.9885,
0.0000

223.3463,

 0.0000, 1.1257,

293.0441, 214.0162

0.0000

269.6716,
349.2591, 261.3124

■ 0.0000, 0.0000,
0.0000

■ 36.3744, 56.6774,
29.7916

■ 36.3744, 56.6774,
29.7916

■ 32.8107, 54.9712,
23.7816

■ 40.8511, 58.8318,
37.0069

■ 30.0919, 53.6747,
18.9075

■ 46.2940, 61.4557,
45.4842

■ 28.1476, 52.7546,
15.0988


■ 52.7573, 64.5775,
55.2813


■ 26.8930, 52.1691,
12.2752


■ 60.2897, 68.2212,
66.4513

■ 26.1913, 51.8493,
10.3437

■ 68.9371, 72.4093,
79.0442

 26.1786, 51.8436,
10.3095

 78.7423, 77.1630,
93.1078

 85.1476, 80.1952,
105.5992

Harmonies

Analogous

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



44.2950, 56.6774, 17.7396



36.3744, 56.6774, 29.7916



33.1571, 56.6774, 55.7527

Triad

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



36.3744, 56.6774, 29.7916



51.7470, 56.6774, 159.8732



78.9763, 56.6774, 36.8543

Complementary

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



36.3744, 56.6774, 29.7916



46.2844, 31.0538, 60.0559

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.



81.7944, 56.6774, 68.0817



36.3744, 56.6774, 29.7916



64.7345, 56.6774, 148.4954

Square

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



36.3744, 56.6774, 29.7916



41.1039, 56.6774, 137.7026



76.2320, 56.6774, 110.8333



69.0389, 56.6774, 20.5612

Rectangle

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



36.3744, 56.6774, 29.7916



33.6807, 56.6774, 81.3434



76.2320, 56.6774, 110.8333



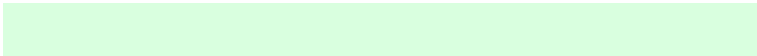
80.8471, 56.6774, 45.5243

Sweetspot

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



36.3758, 56.6798, 29.7929



77.6216, 91.5617, 83.4009



53.7670, 65.7715, 24.9005



16.1502, 19.3735, 17.1611



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.



36.3758, 56.6798, 29.7929



45.0727, 75.8781, 32.3621



40.9088, 58.4929, 53.6632



12.9730, 14.6408, 14.3208



15.2345, 30.1264, 6.1344



1.0142, 1.9626, 0.5411

Inverse Universe

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



46.2844, 31.0538, 60.0559



60.2689, 36.4738, 78.6984



40.9696, 28.9278, 32.0686



13.5181, 13.2363, 15.9895



22.4348, 10.9750, 27.7334



1.4784, 0.7210, 1.9280

Previews

White Background



This preview shows how the XYZ color 36.3744, 56.6774, 29.7916 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 36.3744, 56.6774, 29.7916 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 36.3744, 56.6774, 29.7916

Background



This preview shows how black text looks on a background with the XYZ color 36.3744, 56.6774, 29.7916.



This preview shows how white text looks on a background with the XYZ color 36.3744, 56.6774,

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

36.3744, 56.6774, 29.7916

Protanopia

51.3807, 55.7356, 25.8193

Deuteranopia

56.9739, 55.8635, 31.4468



Tritanopia

46.6056, 56.6525, 80.4302

Trichromacy



Original Color

36.3744, 56.6774, 29.7916



Protanomaly

43.7779, 54.9198, 27.0321



Deuteranomaly

46.4249, 54.4417, 30.6157



Tritanomaly

42.0547, 56.2903, 57.9388

Monochromacy



Original Color

36.3744, 56.6774, 29.7916



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.9634, 47.9917, 40.4674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3744, 56.6774, 29.7916 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(111, 221, 129)` looks like.

```
.text, #text, p{  
    color:rgb(111, 221, 129)  
}
```

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(111, 221, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 221, 129) }
```

Border

The CSS property to change the border of an element to XYZ 36.3744, 56.6774, 29.7916 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(111, 221, 129) }
```


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

```
.border{ border-color:rgb(111, 221, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 221, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 221, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 221, 129);  
box-shadow:4px 4px 4px 4px rgb(111, 221,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3744, 56.6774, 29.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 221, 129) }
```

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

```
.background{ background-color: rgb(111,  
221, 129) }
```

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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