

Converting Colors

XYZ(36.3284, 58.1619, 22.8040)

Have a look what the booklet for
XYZ(36.3284, 58.1619, 22.8040)
contains.

XYZ(36.1449, 57.9086, 22.6371)	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(36.1449, 57.9086,
22.6371)**

Conversions

Conversions Part 1

Format	Color
Hex	72E069
RGB	114, 224, 105
RGB Percent	45%, 88%, 41%
CMY	0.5529, 0.1216, 0.5882
CMYK	0.49, 0.00, 0.53, 0.12
HSL	115°, 66%, 65%
HSV	115°, 53%, 88%
XYZ	36.1449, 57.9086, 22.6371
YIQ	177.5440, -27.3610, -60.3290

Conversions

Conversions Part 2

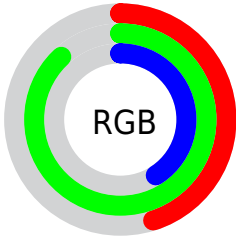
Format	Color
RYB	105, 224, 215
Decimal	7528553
CIELab	80.69, -54.51, 48.22
CIELCh	81, 72.779, 138.503
Yxy	57.9086, 0.3097, 0.4963
Android (android.graphics.Color)	4285718633 (0xFF72E069)
YUV	177.5440, -35.7642, -55.7281
Hunter-Lab	76.0977, -48.3870, 35.6311

Details

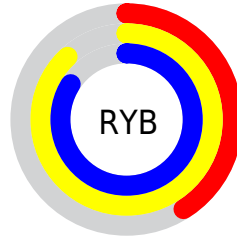
The XYZ color **36.1449, 57.9086, 22.6371** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **46.5334, 29.9340, 73.8493**, and the grayscale version is **42.2704, 44.4718, 48.4298**.

A 20% lighter version of the original color is **59.0313, 82.7939, 45.6704**, and **16.0614, 28.9924, 8.1177** is the 20% darker color. If you saturate the color by 10%, you get **32.7469, 56.2745, 17.2396**, and if you desaturate by 10%, it is **40.4586, 59.9831, 29.6625**.

Distribution



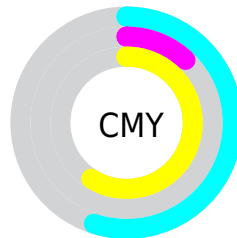
- Red (45%)
- Green (88%)
- Blue (41%)



- Red (41%)
- Yellow (88%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (53%)
- Black (12%)





- Cyan (55%)
- Magenta (12%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1449, 57.9086, 22.6371 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 36.1449, 57.9086, 22.6371 by changing the saturation by 10% instead.


 36.1449, 57.9086,
22.6371


 36.1449, 57.9086,
22.6371


321.0136,
416.8453, 278.9168


 24.7168, 41.7352,
14.1230


 68.5781, 101.7897,
48.7124


 15.9938, 28.8940,
8.0665


 90.3138, 130.2663,
67.1106

 9.6106, 19.0006,
4.0492


 116.2161,
163.6126, 89.6407

 5.2018, 11.6707,
1.6524

 146.6503,
202.2131, 116.7211

 2.4021, 6.5199,
0.3278

181.9818,
246.4523, 148.7703

 0.8462, 3.1637,
0.0000

222.5760,

 0.0000, 1.2178,

296.7144, 186.2070

0.0000

268.7981,
353.3839, 229.4497

■ 0.0000, 0.0762,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1449, 57.9086,
22.6371

■ 36.1449, 57.9086,
22.6371

■ 32.7469, 56.2745,
17.2396

■ 40.4586, 59.9831,
29.6625

■ 30.1943, 55.0424,
13.3360


■ 45.7433, 62.5189,
38.4281


■ 28.4135, 54.1791,
10.7771


■ 52.0548, 65.5443,
49.0407


■ 27.3162, 53.6432,
9.3816

■ 59.4435, 69.0830,
61.5974

 26.8868, 53.4322,
8.8964

 67.9564, 73.1574,
76.1886

 77.6379, 77.7886,
92.8990

 85.9468, 81.7936,
105.8656

Harmonies

Analogous

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



46.3873, 57.9086, 12.6876



36.1449, 57.9086, 22.6371



31.3435, 57.9086, 47.9831

Triad

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



36.1449, 57.9086, 22.6371



49.4907, 57.9086, 183.5351



87.1633, 57.9086, 40.3086

Complementary

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



36.1449, 57.9086, 22.6371



46.5334, 29.9340, 73.8493

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.



88.4082, 57.9086, 80.9868



36.1449, 57.9086, 22.6371



64.7077, 57.9086, 178.2620

Square

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



36.1449, 57.9086, 22.6371



38.0601, 57.9086, 147.3348



79.5855, 57.9086, 135.1241



76.4420, 57.9086, 19.2207

Rectangle

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



36.1449, 57.9086, 22.6371



31.1640, 57.9086, 76.0680



79.5855, 57.9086, 135.1241



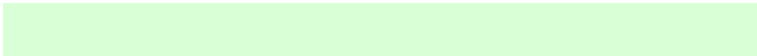
88.7675, 57.9086, 51.6136

Sweetspot

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



36.1463, 57.9110, 22.6384



76.6232, 91.1807, 77.3135



57.3605, 65.0054, 22.8896



15.9543, 19.3027, 15.7894



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.



36.1463, 57.9110, 22.6384



43.4081, 75.2406, 22.3145



38.3647, 58.6698, 40.1312



13.6243, 15.3865, 14.5586



15.6860, 31.1190, 5.1798



1.1213, 2.1745, 0.3606

Inverse Universe

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



46.5334, 29.9340, 73.8493



58.7051, 33.8341, 98.0443



43.4748, 29.0243, 43.5706



14.1874, 13.8802, 17.3191



22.8636, 10.8819, 41.9437



1.6157, 0.7702, 2.9088

Previews

White Background



This preview shows how the XYZ color 36.1449, 57.9086, 22.6371 looks on a white background.

Color Contrast Check

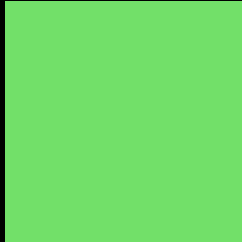
Large Text (above 18pt) WCAG AA × Fail

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 36.1449, 57.9086, 22.6371 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 36.1449, 57.9086, 22.6371

Background



This preview shows how black text looks on a background with the XYZ color 36.1449, 57.9086, 22.6371.

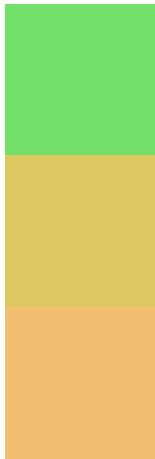


This preview shows how white text looks on a background with the XYZ color 36.1449, 57.9086,

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

36.1449, 57.9086, 22.6371

Protanopia

52.0963, 56.9256, 19.5512

Deuteranopia

58.0687, 56.9191, 23.8455



Tritanopia

47.9453, 57.6789, 82.0049

Trichromacy



Original Color

36.1449, 57.9086, 22.6371



Protanomaly

43.9122, 55.8556, 20.5234



Deuteranomaly

46.4954, 54.9909, 23.2027



Tritanomaly

42.3090, 57.2765, 53.6253

Monochromacy



Original Color

36.1449, 57.9086, 22.6371



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.6186, 48.2331, 36.5527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1449, 57.9086, 22.6371 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(114, 224, 105)` looks like.

```
.text, #text, p{  
    color:rgb(114, 224, 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(114, 224, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 224, 105) }
```

Border

The CSS property to change the border of an element to XYZ 36.1449, 57.9086, 22.6371 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(114, 224, 105) }
```


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

```
.border{ border-color:rgb(114, 224, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 224, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 224, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 224, 105);  
box-shadow:4px 4px 4px 4px rgb(114, 224,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1449, 57.9086, 22.6371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 224, 105) }
```

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

```
.background{ background-color: rgb(114,  
224, 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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