

Converting Colors

XYZ(37.2643, 56.6468, 20.2977)

Have a look what the booklet for
XYZ(37.2643, 56.6468, 20.2977)
contains.

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Color

**XYZ(37.1621, 56.5126,
20.2586)**

Conversions

Conversions Part 1

Format	Color
Hex	85DB61
RGB	133, 219, 97
RGB Percent	52%, 86%, 38%
CMY	0.4784, 0.1412, 0.6196
CMYK	0.39, 0.00, 0.56, 0.14
HSL	102°, 63%, 62%
HSV	102°, 56%, 86%
XYZ	37.1621, 56.5126, 20.2586
YIQ	179.3780, -12.0940, -56.1740

Conversions

Conversions Part 2

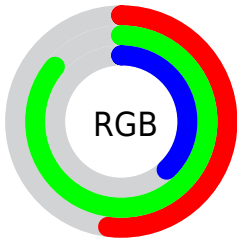
Format	Color
RYB	97, 219, 183
Decimal	8772449
CIELab	79.90, -47.77, 51.18
CIELCh	80, 70.005, 133.027
Yxy	56.5126, 0.3262, 0.4960
Android (android.graphics.Color)	4286962529 (0xFF85DB61)
YUV	179.3780, -40.6124, -40.6735
Hunter-Lab	75.1749, -43.3159, 36.6446

Details

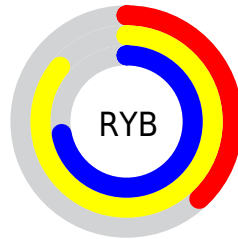
The XYZ color **37.1621, 56.5126, 20.2586** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **36.5918, 23.7328, 69.6731**, and the grayscale version is **43.2656, 45.5188, 49.5699**.

A 20% lighter version of the original color is **62.5811, 84.7015, 42.3288**, and **16.5323, 27.9127, 6.8992** is the 20% darker color. If you saturate the color by 10%, you get **34.0181, 54.9957, 15.4974**, and if you desaturate by 10%, it is **40.9490, 58.3318, 26.5234**.

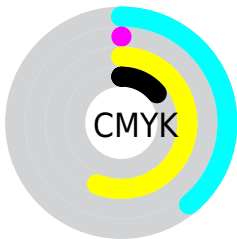
Distribution



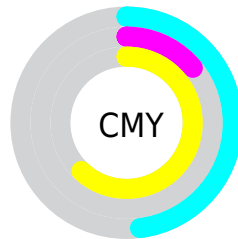
- Red (52%)
- Green (86%)
- Blue (38%)



- Red (38%)
- Yellow (86%)
- Blue (72%)



- Cyan (39%)
- Magenta (0%)
- Yellow (56%)
- Black (14%)





- Cyan (48%)
- Magenta (14%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1621, 56.5126, 20.2586 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 37.1621, 56.5126, 20.2586 by changing the saturation by 10% instead.


 37.1621, 56.5126,
20.2586


 37.1621, 56.5126,
20.2586


325.3551,
411.6204, 265.9620


 25.5073, 40.6141,
12.3972


 70.1342, 99.7537,
44.7150


 16.5861, 28.0176,
6.8890


 92.1823, 127.8650,
62.1471

 10.0333, 18.3390,
3.3154


 118.4254,
160.8160, 83.6064

 5.4835, 11.1936,
1.2578

 149.2290,
198.9911, 109.5117

 2.5713, 6.1972,
0.0269

184.9584,
242.7747, 140.2813

 0.9313, 2.9654,
0.0000

225.9790,

 0.0000, 1.1137,

292.5512, 176.3339

0.0000

272.6561,
348.7050, 218.0880

■ 0.0000, 0.0000,
0.0000

■ 37.1621, 56.5126,
20.2586

■ 37.1621, 56.5126,
20.2586

■ 34.0181, 54.9957,
15.4974

■ 40.9490, 58.3318,
26.5234

■ 31.4735, 53.7562,
12.1098

■ 45.4104, 60.4621,
34.3999

■ 29.4851, 52.7769,
9.9502

■ 50.5807, 62.9205,
43.9907

■ 28.0008, 52.0348,
8.8379

■ 56.4903, 65.7209,
55.3887

■ 27.4875, 51.7761,
8.5451

■ 63.1682, 68.8762,
68.6801

70.6414, 72.3986,
83.9457

78.9357, 76.2998,
101.2615

84.6226, 79.1453,
105.4242

Harmonies

Analogous

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



47.7942, 56.5126, 12.4795



37.1621, 56.5126, 20.2586



31.6128, 56.5126, 41.4218

Triad

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



37.1621, 56.5126, 20.2586



46.1348, 56.5126, 170.6335



84.9274, 56.5126, 45.5439

Complementary

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



37.1621, 56.5126, 20.2586



36.5918, 23.7328, 69.6731

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.



84.2691, 56.5126, 87.2825



37.1621, 56.5126, 20.2586



60.1025, 56.5126, 173.3973

Square

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



37.1621, 56.5126, 20.2586



36.1325, 56.5126, 131.7478



74.5682, 56.5126, 138.1704



76.2338, 56.5126, 22.1275

Rectangle

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



37.1621, 56.5126, 20.2586



30.8116, 56.5126, 65.7526



74.5682, 56.5126, 138.1704



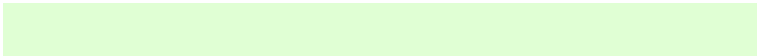
85.8321, 56.5126, 57.4971

Sweetspot

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



37.1635, 56.5150, 20.2598



78.4768, 92.1736, 75.7112



48.1833, 49.5455, 18.3338



16.4237, 19.5521, 15.4787



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.



37.1635, 56.5150, 20.2598



47.2873, 77.2770, 20.8420



33.7387, 54.5972, 26.9793



13.2458, 14.7914, 13.8825



16.3939, 30.7488, 5.0711



1.1472, 2.0359, 0.3325

Inverse Universe

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



36.5918, 23.7328, 69.6731



46.2956, 26.5047, 97.2836



43.2953, 27.5330, 54.4279



13.2208, 13.0719, 16.4785



15.6412, 7.1875, 40.3013



1.0980, 0.5093, 2.6149

Previews

White Background



This preview shows how the XYZ color 37.1621, 56.5126, 20.2586 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 37.1621, 56.5126, 20.2586 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 37.1621, 56.5126, 20.2586

Background



This preview shows how black text looks on a background with the XYZ color 37.1621, 56.5126, 20.2586.

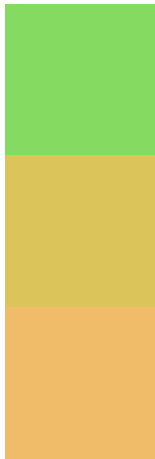


This preview shows how white text looks on a background with the XYZ color 37.1621, 56.5126,

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

37.1621, 56.5126, 20.2586

Protanopia

51.0251, 55.7308, 17.7407

Deuteranopia

56.8086, 55.6871, 21.1192



Tritanopia

48.5825, 56.2866, 77.4111

Trichromacy



Original Color

37.1621, 56.5126, 20.2586

Protanomaly

44.5461, 55.1443, 18.6520

Deuteranomaly

47.1788, 54.3627, 20.5768

Tritanomaly

43.0841, 55.8738, 50.1089

Monochromacy



Original Color

37.1621, 56.5126, 20.2586

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

39.6169, 48.4349, 35.6946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1621, 56.5126, 20.2586 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(133, 219, 97)` looks like.

```
.text, #text, p{  
    color:rgb(133, 219, 97)  
}
```

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(133, 219, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 219, 97) }
```

Border

The CSS property to change the border of an element to XYZ 37.1621, 56.5126, 20.2586 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(133, 219, 97) }
```


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

```
.border{ border-color:rgb(133, 219, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 219, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 219, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 219, 97);  
box-shadow:4px 4px 4px 4px rgb(133, 219,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1621, 56.5126, 20.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 219, 97) }
```

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

```
.background{ background-color: rgb(133,  
219, 97) }
```

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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