

Converting Colors

XYZ(36.2801, 53.8724, 32.1088)

Have a look what the booklet for
XYZ(36.2801, 53.8724, 32.1088)
contains.

| | |
|--|----|
| XYZ(36.3077, 53.8923, 32.1556) | 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(36.3077, 53.8923,
32.1556)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 78D689 |
| RGB | 120, 214, 137 |
| RGB Percent | 47%, 84%, 54% |
| CMY | 0.5294, 0.1608, 0.4627 |
| CMYK | 0.44, 0.00, 0.36, 0.16 |
| HSL | 131°, 53%, 65% |
| HSV | 131°, 44%, 84% |
| XYZ | 36.3077, 53.8923, 32.1556 |
| YIQ | 177.1160, -31.3070, -43.8750 |

Conversions

Conversions Part 2

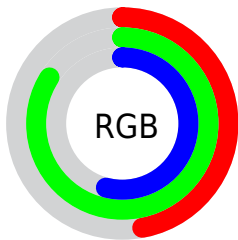
| Format | Color |
|-------------------------------------|--|
| RYB | 120, 200, 214 |
| Decimal | 7919241 |
| CIELab | 78.40, -44.10, 29.57 |
| CIELCh | 78, 53.096, 146.158 |
| Yxy | 53.8923, 0.2967, 0.4405 |
| Android (android.graphics.Color) | 4286109321 (0xFF78D689) |
| YUV | 177.1160, -19.7772, -50.0907 |
| Hunter-Lab | 73.4114, -40.1876, 25.4178 |

Details

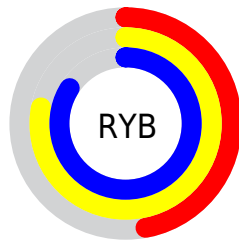
The XYZ color **36.3077, 53.8923, 32.1556** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.5278, 31.7615, 56.6091**, and the grayscale version is **41.9645, 44.1500, 48.0793**.

A 20% lighter version of the original color is **63.0685, 84.5117, 62.2785**, and **16.1922, 26.5581, 13.0769** is the 20% darker color. If you saturate the color by 10%, you get **32.5079, 52.0687, 25.9388**, and if you desaturate by 10%, it is **40.9778, 56.1441, 39.4820**.

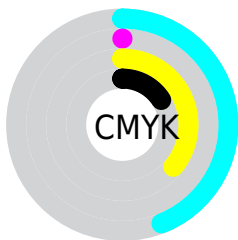
Distribution



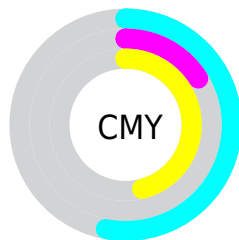
- Red (47%)
- Green (84%)
- Blue (54%)



- Red (47%)
- Yellow (78%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (36%)
- Black (16%)





- Cyan (53%)
- Magenta (16%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3077, 53.8923, 32.1556 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 36.3077, 53.8923, 32.1556 by changing the saturation by 10% instead.

 36.3077, 53.8923,
32.1556


 36.3077, 53.8923,
32.1556


321.7113,
401.6992, 326.3420


 24.8431, 38.5156,
21.2146


 68.8275, 95.9161,
64.1557

 16.0883, 26.3831,
13.0882


 90.6134, 123.3319,
86.0518

 9.6779, 17.1104,
7.3578


 116.5706,
155.5296, 112.4367

 5.2466, 10.3133,
3.6051

147.0642,
192.8935, 143.7290

 2.4289, 5.6072,
1.4113

182.4598,
235.8080, 180.3471

 0.8595, 2.6077,
0.1505

223.1226,

 0.0000, 0.9305,

284.6575, 222.7096

0.0000

269.4179,
339.8265, 271.2351

■ 0.0000, 0.0000,
0.0000

■ 36.3077, 53.8923,
32.1556

■ 36.3077, 53.8923,
32.1556

■ 32.5079, 52.0687,
25.9388

■ 40.9778, 56.1441,
39.4820

■ 29.5198, 50.6395,
20.7739

■ 46.5638, 58.8418,
47.9647

■ 27.2838, 49.5767,
16.6037


■ 53.1132, 62.0105,
57.6519


■ 25.7301, 48.8459,
13.3637


■ 60.6687, 65.6713,
68.5884

■ 24.7754, 48.4054,
10.9822

■ 69.2706, 69.8440,
80.8163

 24.4089, 48.2397,
9.9185

 78.9569, 74.5474,
94.3761

 83.3376, 76.5751,
104.9959

Harmonies

Analogous

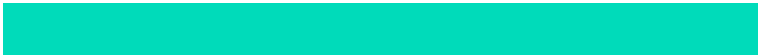
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.8816, 53.8923, 20.7529



36.3077, 53.8923, 32.1556



33.7073, 53.8923, 54.9150

Triad

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



36.3077, 53.8923, 32.1556



49.8911, 53.8923, 136.6546



71.4124, 53.8923, 36.8286

Complementary

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



36.3077, 53.8923, 32.1556



44.5278, 31.7615, 56.6091

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.



73.9486, 53.8923, 62.6124



36.3077, 53.8923, 32.1556



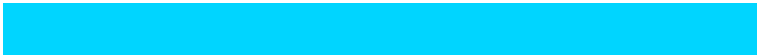
60.5815, 53.8923, 126.7945

Square

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



36.3077, 53.8923, 32.1556



40.8475, 53.8923, 120.4710



69.7487, 53.8923, 96.8247



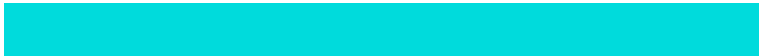
63.2217, 53.8923, 22.7374

Rectangle

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



36.3077, 53.8923, 32.1556



34.2757, 53.8923, 76.1562



69.7487, 53.8923, 96.8247



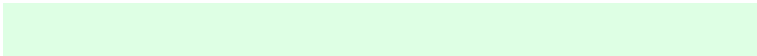
72.9985, 53.8923, 44.1048

Sweetspot

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



36.3091, 53.8945, 32.1568



79.8204, 92.6188, 86.9564



50.8155, 61.5028, 26.9629



16.5872, 19.5833, 17.8839



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.



36.3091, 53.8945, 32.1568



48.5414, 77.5249, 38.9082



40.3065, 55.4935, 53.2068



12.3532, 13.9323, 13.6745



14.7806, 29.1676, 6.1402



0.9196, 1.7705, 0.5184

Inverse Universe

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



44.5278, 31.7615, 56.6091



62.2998, 40.4015, 79.7889



40.0626, 29.9754, 33.0957



12.8522, 12.5924, 15.1618



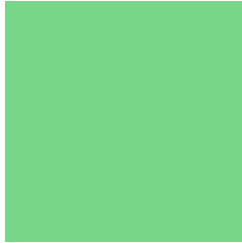
21.4920, 10.5331, 25.6925



1.3220, 0.6456, 1.6850

Previews

White Background



This preview shows how the XYZ color 36.3077, 53.8923, 32.1556 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 36.3077, 53.8923, 32.1556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

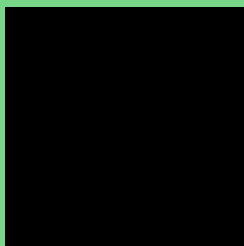
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.3077, 53.8923, 32.1556

Background



This preview shows how black text looks on a background with the XYZ color 36.3077, 53.8923, 32.1556.

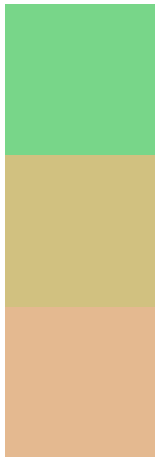


This preview shows how white text looks on a background with the XYZ color 36.3077, 53.8923,

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

36.3077, 53.8923, 32.1556

Protanopia

49.2607, 53.2538, 28.1048

Deuteranopia

54.3779, 53.2055, 33.7892



Tritanopia

44.9924, 53.7563, 75.7148

Trichromacy



Original Color

36.3077, 53.8923, 32.1556



Protanomaly

43.1148, 52.7591, 29.3839



Deuteranomaly

45.5339, 52.2218, 32.8792



Tritanomaly

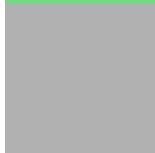
41.2102, 53.6548, 56.8996

Monochromacy



Original Color

36.3077, 53.8923, 32.1556



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.6453, 46.5035, 41.1217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3077, 53.8923, 32.1556 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(120, 214, 137)` looks like.

```
.text, #text, p{  
    color:rgb(120, 214, 137)  
}
```

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(120, 214, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 214, 137) }
```

Border

The CSS property to change the border of an element to XYZ 36.3077, 53.8923, 32.1556 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(120, 214, 137) }
```


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

```
.border{ border-color:rgb(120, 214, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 214, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 214, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 214, 137);  
box-shadow:4px 4px 4px 4px rgb(120, 214,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3077, 53.8923, 32.1556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 214, 137) }
```

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

```
.background{ background-color: rgb(120,  
214, 137) }
```

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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