

Converting Colors

XYZ(33.3544, 50.8194, 23.5918)

Have a look what the booklet for
XYZ(33.3544, 50.8194, 23.5918)
contains.

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Color

**XYZ(33.2523, 50.6447,
23.6456)**

Conversions

Conversions Part 1

Format	Color
Hex	76D171
RGB	118, 209, 113
RGB Percent	46%, 82%, 44%
CMY	0.5373, 0.1804, 0.5569
CMYK	0.44, 0.00, 0.46, 0.18
HSL	117°, 51%, 63%
HSV	117°, 46%, 82%
XYZ	33.2523, 50.6447, 23.6456
YIQ	170.8470, -23.4200, -49.1480

Conversions

Conversions Part 2

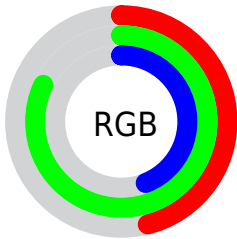
Format	Color
RYB	113, 209, 204
Decimal	7786865
CIELab	76.46, -46.23, 39.20
CIELCh	76, 60.618, 139.704
Yxy	50.6447, 0.3092, 0.4709
Android (android.graphics.Color)	4285976945 (0xFF76D171)
YUV	170.8470, -28.5186, -46.3468
Hunter-Lab	71.1651, -41.1337, 30.1156

Details

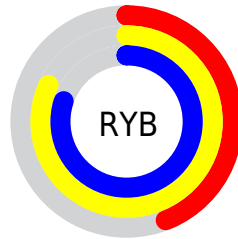
The XYZ color **33.2523, 50.6447, 23.6456** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **42.3180, 29.2527, 63.7402**, and the grayscale version is **38.7800, 40.7996, 44.4307**.

A 20% lighter version of the original color is **60.0985, 83.2718, 48.9819**, and **14.3496, 24.4511, 8.5207** is the 20% darker color. If you saturate the color by 10%, you get **29.7951, 48.9846, 18.0333**, and if you desaturate by 10%, it is **37.5481, 52.7088, 30.7136**.

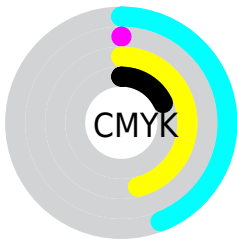
Distribution



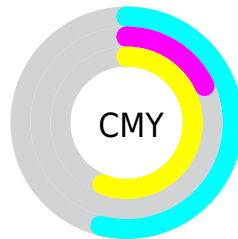
- Red (46%)
- Green (82%)
- Blue (44%)



- Red (44%)
- Yellow (82%)
- Blue (80%)



- Cyan (44%)
- Magenta (0%)
- Yellow (46%)
- Black (18%)



- Cyan (54%)
- Magenta (18%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2523, 50.6447, 23.6456 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 33.2523, 50.6447, 23.6456 by changing the saturation by 10% instead.

■ 33.2523, 50.6447,
23.6456

■ 33.2523, 50.6447,
23.6456

308.4300,
389.1818, 284.2524

■ 22.4800, 35.9259,
14.8612

■ 64.1213, 91.1294,
50.3878

■ 14.3286, 24.3770,
8.5765

■ 84.9486, 117.6640,
69.1827

■ 8.4328, 15.6135,
4.3730

■ 109.8583,
148.9061, 92.1514

■ 4.4272, 9.2511,
1.8321

139.2158,
185.2401, 119.7126

■ 1.9465, 4.9053,
0.4490

173.3863,
227.0502, 152.2848

■ 0.6037, 2.1918,
0.0000

212.7353,

■ 0.0000, 0.7155,

274.7209, 190.2864

0.0000

257.6281,
328.6367, 234.1361

■ 0.0000, 0.0000,
0.0000

■ 33.2523, 50.6447,
23.6456

■ 33.2523, 50.6447,
23.6456

■ 29.7951, 48.9846,
18.0333

■ 37.5481, 52.7088,
30.7136

■ 27.1181, 47.6961,
13.7722

■ 42.7283, 55.1940,
39.3254

■ 25.1616, 46.7524,
10.7498


■ 48.8399, 58.1244,
49.5658


■ 23.8556, 46.1201,
8.8333


■ 55.9256, 61.5201,
61.5128

■ 23.1154, 45.7594,
7.8582

■ 64.0253, 65.4002,
75.2393

 22.9379, 45.6733,
7.6069

 73.1768, 69.7827,
90.8138

 82.0915, 74.0829,
104.5805

Harmonies

Analogous

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



41.1043, 50.6447, 14.5930



33.2523, 50.6447, 23.6456



29.5985, 50.6447, 44.6469

Triad

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



33.2523, 50.6447, 23.6456



44.3162, 50.6447, 143.0756



71.9165, 50.6447, 36.5380

Complementary

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



33.2523, 50.6447, 23.6456



42.3180, 29.2527, 63.7402

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.



73.1418, 50.6447, 67.1683



33.2523, 50.6447, 23.6456



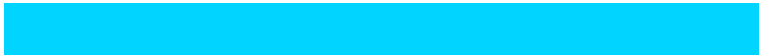
55.9278, 50.6447, 138.0930

Square

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



33.2523, 50.6447, 23.6456



35.2827, 50.6447, 118.3794



66.9069, 50.6447, 106.6503



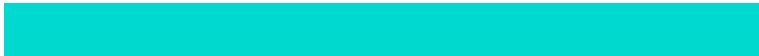
63.7845, 50.6447, 19.7354

Rectangle

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



33.2523, 50.6447, 23.6456



29.5700, 50.6447, 66.4399



66.9069, 50.6447, 106.6503



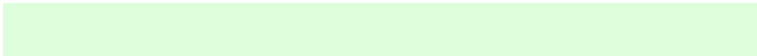
73.1940, 50.6447, 45.2061

Sweetspot

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



33.2536, 50.6468, 23.6467



78.4529, 92.0474, 80.8571



50.5389, 57.2733, 24.0147



16.3043, 19.4681, 16.4864



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.



33.2536, 50.6468, 23.6467



46.8735, 76.8934, 28.5158



35.4950, 51.4670, 38.8993



11.7124, 13.2352, 12.5494



14.1678, 28.1727, 4.6912



0.8126, 1.5858, 0.2633

Inverse Universe

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



42.3180, 29.2527, 63.7402



62.7567, 39.3258, 98.8907



39.2135, 28.1717, 40.1260



12.2475, 11.9764, 14.9098



21.5008, 10.2644, 38.0405



1.2212, 0.5837, 2.1279

Previews

White Background



This preview shows how the XYZ color 33.2523, 50.6447, 23.6456 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 33.2523, 50.6447, 23.6456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

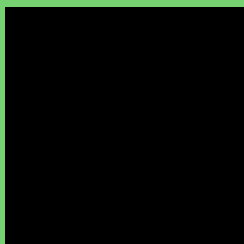
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.2523, 50.6447, 23.6456

Background



This preview shows how black text looks on a background with the XYZ color 33.2523, 50.6447, 23.6456.



This preview shows how white text looks on a background with the XYZ color 33.2523, 50.6447,

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

33.2523, 50.6447, 23.6456

Protanopia

45.9866, 50.1082, 20.6127

Deuteranopia

50.8743, 49.7650, 24.6935



Tritanopia

42.6856, 50.5955, 70.4669

Trichromacy



Original Color

33.2523, 50.6447, 23.6456



Protanomaly

39.9023, 49.5612, 21.6506



Deuteranomaly

42.1179, 48.6761, 24.0052



Tritanomaly

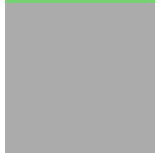
38.4164, 50.2407, 49.2676

Monochromacy



Original Color

33.2523, 50.6447, 23.6456



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.8029, 43.5753, 35.3780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2523, 50.6447, 23.6456 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(118, 209, 113)` looks like.

```
.text, #text, p{  
    color:rgb(118, 209, 113)  
}
```

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(118, 209, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 209, 113) }
```

Border

The CSS property to change the border of an element to XYZ 33.2523, 50.6447, 23.6456 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(118, 209, 113) }
```


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

```
.border{ border-color:rgb(118, 209, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 209, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 209, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 209, 113);  
box-shadow:4px 4px 4px 4px rgb(118, 209,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2523, 50.6447, 23.6456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 209, 113) }
```

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

```
.background{ background-color: rgb(118,  
209, 113) }
```

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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