

Converting Colors

XYZ(35.5937, 55.7040, 23.5113)

Have a look what the booklet for
XYZ(35.5937, 55.7040, 23.5113)
contains.

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Color

**XYZ(35.6172, 55.6404,
23.6143)**

Conversions

Conversions Part 1

Format	Color
Hex	76DB6E
RGB	118, 219, 110
RGB Percent	46%, 86%, 43%
CMY	0.5373, 0.1412, 0.5686
CMYK	0.46, 0.00, 0.50, 0.14
HSL	116°, 60%, 65%
HSV	116°, 50%, 86%
XYZ	35.6172, 55.6404, 23.6143
YIQ	176.3750, -25.2070, -55.3110

Conversions

Conversions Part 2

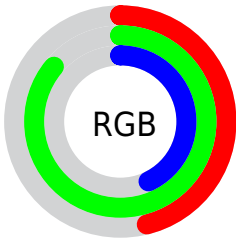
Format	Color
RYB	110, 219, 211
Decimal	7789422
CIELab	79.41, -50.77, 44.34
CIELCh	79, 67.402, 138.869
Yxy	55.6404, 0.3101, 0.4844
Android (android.graphics.Color)	4285979502 (0xFF76DB6E)
YUV	176.3750, -32.7229, -51.1949
Hunter-Lab	74.5925, -45.3048, 33.4449

Details

The XYZ color **35.6172, 55.6404, 23.6143** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **45.2289, 30.1171, 70.4502**, and the grayscale version is **41.6389, 43.8074, 47.7062**.

A 20% lighter version of the original color is **60.1400, 83.3143, 48.0335**, and **15.6902, 27.4400, 8.6072** is the 20% darker color. If you saturate the color by 10%, you get **32.1038, 53.9520, 17.9765**, and if you desaturate by 10%, it is **40.0209, 57.7570, 30.8341**.

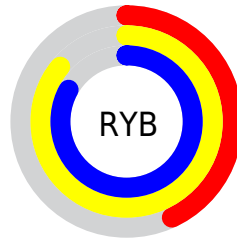
Distribution



Red (46%)

Green (86%)

Blue (43%)



Red (43%)

Yellow (86%)

Blue (83%)

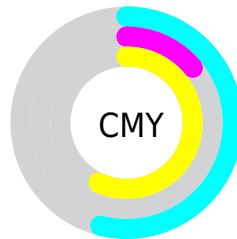


Cyan (46%)

Magenta (0%)

Yellow (50%)

Black (14%)



Cyan (54%)


Magenta (14%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6172, 55.6404, 23.6143 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 35.6172, 55.6404, 23.6143 by changing the saturation by 10% instead.


 35.6172, 55.6404,
23.6143


 35.6172, 55.6404,
23.6143


318.7448,
408.3349, 284.0882


 24.3074, 39.9147,
14.8382


 67.7686, 98.4786,
50.3360


 15.6878, 27.4720,
8.5606


 89.3409, 126.3599,
69.1186

 9.3929, 17.9280,
4.3628


 115.0647,
159.0618, 92.0739

 5.0575, 10.8983,
1.8264

 145.3055,
196.9688, 119.6203

 2.3162, 5.9985,
0.4453

180.4285,
240.4652, 152.1764

 0.8029, 2.8442,
0.0000

220.7992,

 0.0000, 1.0509,

289.9354, 190.1607

0.0000

266.7828,
345.7638, 233.9918

■ 0.0000, 0.0000,
0.0000

■ 35.6172, 55.6404,
23.6143

■ 35.6172, 55.6404,
23.6143

■ 32.1038, 53.9520,
17.9765

■ 40.0209, 57.7570,
30.8341

■ 29.4160, 52.6561,
13.7988

■ 45.3655, 60.3207,
39.7383

■ 27.4871, 51.7228,
10.9475


■ 51.7029, 63.3578,
50.4253


■ 26.2381, 51.1149,
9.2628


■ 59.0798, 66.8903,
62.9847

■ 25.5583, 50.7813,
8.4691

■ 67.5400, 70.9393,
77.5000

 25.5475, 50.7761,
8.4543

 77.1249, 75.5241,
94.0498

 84.6227, 79.1453,
105.4242

Harmonies

Analogous

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



44.9128, 55.6404, 13.9057



35.6172, 55.6404, 23.6143



31.2538, 55.6404, 47.3138

Triad

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



35.6172, 55.6404, 23.6143



48.0219, 55.6404, 166.9658



81.5033, 55.6404, 39.5490

Complementary

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



35.6172, 55.6404, 23.6143



45.2289, 30.1171, 70.4502

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.



82.7212, 55.6404, 76.1263



35.6172, 55.6404, 23.6143



61.7478, 55.6404, 161.9044

Square

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



35.6172, 55.6404, 23.6143



37.5581, 55.6404, 135.7670



74.9875, 55.6404, 123.9564



71.8989, 55.6404, 20.0214

Rectangle

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



35.6172, 55.6404, 23.6143



31.1285, 55.6404, 72.8056



74.9875, 55.6404, 123.9564



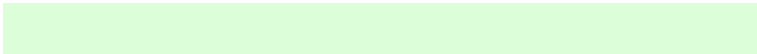
82.9616, 55.6404, 49.8111

Sweetspot

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



35.6186, 55.6427, 23.6155



77.6330, 91.6633, 79.0764



55.0564, 62.2407, 23.8646



16.1525, 19.3974, 16.1364



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.



35.6186, 55.6427, 23.6155



44.9974, 76.0050, 24.8692



37.7152, 56.3612, 40.0867



12.9746, 14.6516, 13.8698



15.1823, 30.1243, 5.0144



1.0152, 1.9679, 0.3263

Inverse Universe

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



45.2289, 30.1171, 70.4502



60.0313, 35.9155, 98.3761



42.3908, 29.2532, 43.2459



13.5152, 13.2237, 16.4922



22.2146, 10.5762, 40.6090



1.4679, 0.7000, 2.6322

Previews

White Background



This preview shows how the XYZ color 35.6172, 55.6404, 23.6143 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 35.6172, 55.6404, 23.6143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

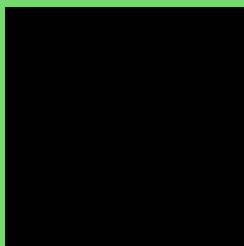
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.6172, 55.6404, 23.6143

Background



This preview shows how black text looks on a background with the XYZ color 35.6172, 55.6404, 23.6143.



This preview shows how white text looks on a background with the XYZ color 35.6172, 55.6404,

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

35.6172, 55.6404, 23.6143

Protanopia

50.4571, 55.0381, 20.5344

Deuteranopia

55.9654, 54.8532, 24.7776



Tritanopia

46.6166, 55.6161, 78.0901

Trichromacy



Original Color

35.6172, 55.6404, 23.6143



Protanomaly

42.9651, 53.9090, 21.5056



Deuteranomaly

45.7661, 53.5540, 24.1445



Tritanomaly

41.4106, 54.9525, 52.6803

Monochromacy



Original Color

35.6172, 55.6404, 23.6143



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.0347, 46.9348, 36.7605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6172, 55.6404, 23.6143 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, 219, 110)` looks like.

```
.text, #text, p{  
    color:rgb(118, 219, 110)  
}
```

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, 219, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 219, 110) }
```

Border

The CSS property to change the border of an element to XYZ 35.6172, 55.6404, 23.6143 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, 219, 110) }
```


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

```
.border{ border-color:rgb(118, 219, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 219, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 219, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 219, 110);  
box-shadow:4px 4px 4px 4px rgb(118, 219,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6172, 55.6404, 23.6143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 219, 110) }
```

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

```
.background{ background-color: rgb(118,  
219, 110) }
```

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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