

Converting Colors

XYZ(13.6131, 12.9895, 41.5283)

Have a look what the booklet for
XYZ(13.6131, 12.9895, 41.5283)
contains.

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Color

**XYZ(13.6127, 13.0546,
41.3375)**

Conversions

Conversions Part 1

Format	Color
Hex	3465AD
RGB	52, 101, 173
RGB Percent	20%, 40%, 68%
CMY	0.7960, 0.6039, 0.3216
CMYK	0.70, 0.42, 0.00, 0.32
HSL	216°, 54%, 44%
HSV	216°, 70%, 68%
XYZ	13.6127, 13.0546, 41.3375
YIQ	94.5570, -52.3160, 12.0040

Conversions

Conversions Part 2

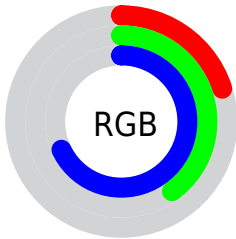
Format	Color
R_{YB}	52, 87, 173
Decimal	3433901
CIE _{Lab}	42.85, 7.96, -43.36
CIE _{LCh}	43, 44.085, 280.398
Yxy	13.0546, 0.2002, 0.1920
Android (android.graphics.Color)	4281623981 (0xFF3465AD)
YUV	94.5570, 38.6724, -37.3225
Hunter-Lab	36.1311, 4.0218, -42.5416

Details

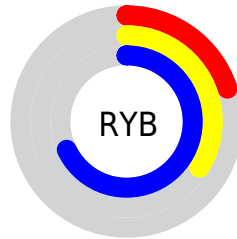
The XYZ color **13.6127, 13.0546, 41.3375** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.0622, 23.5493, 6.4742**, and the grayscale version is **10.6920, 11.2488, 12.2499**.

A 20% lighter version of the original color is **31.8916, 31.2351, 78.4769**, and **4.7564, 4.0884, 18.3078** is the 20% darker color. If you saturate the color by 10%, you get **11.9422, 10.8015, 40.9909**, and if you desaturate by 10%, it is **15.7358, 15.7272, 41.7418**.

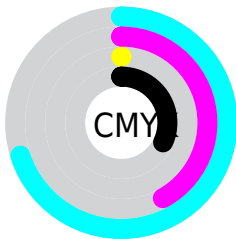
Distribution



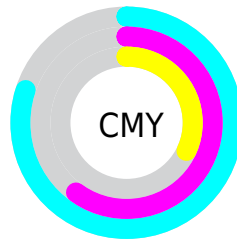
- Red (20%)
- Green (40%)
- Blue (68%)



- Red (20%)
- Yellow (34%)
- Blue (68%)



- Cyan (70%)
- Magenta (42%)
- Yellow (0%)
- Black (32%)



- Cyan (80%)
- Magenta (60%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6127, 13.0546, 41.3375 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 13.6127, 13.0546, 41.3375 by changing the saturation by 10% instead.

■ 13.6127, 13.0546,
41.3375

■ 13.6127, 13.0546,
41.3375

208.3671,
211.2673, 367.4475

■ 7.9317, 7.4662,
28.2612

■ 31.9923, 31.4018,
78.4552

■ 4.1027, 3.7553,
18.2819

■ 45.4215, 44.9294,
103.3337

■ 1.7604, 1.5376,
10.9810

■ 62.1642, 61.8722,
132.9833

■ 0.4936, 0.3150,
5.9401

■ 82.5858, 82.6145,
167.8226

■ 0.0000, 0.0000,
2.7405

■ 107.0515,
107.5408, 208.2702

■ 0.0000, 0.0000,
0.9637

135.9267,

■ 0.0000, 0.0000,

137.0354, 254.7445

0.0000

169.5768,
171.4828, 307.6641

■ 13.6127, 13.0546,
41.3375

■ 13.6127, 13.0546,
41.3375

■ 11.9422, 10.8015,
40.9909

■ 15.7358, 15.7272,
41.7418

■ 10.6803, 8.9379,
40.6977

■ 18.3462, 18.8433,
42.2056

■ 9.7417, 7.4128,
40.4528

■ 21.4768, 22.4262,
42.7322

■ 9.7364, 7.4041,
40.4514

■ 25.1570, 26.4968,
43.3239

■ 29.4138, 31.0748,
43.9832

■ 34.2723, 36.1786,
44.7123

■ 39.7562, 41.8255,
45.5132

■ 45.8878, 48.0322,
46.3881

■ 52.6881, 54.8144,
47.3387

Harmonies

Analogous

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



10.3616, 13.0546, 39.7893



13.6127, 13.0546, 41.3375



17.0911, 13.0546, 33.5098

Triad

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



13.6127, 13.0546, 41.3375



18.0161, 13.0546, 5.2700



7.2566, 13.0546, 8.8601

Complementary

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



13.6127, 13.0546, 41.3375



25.0622, 23.5493, 6.4742

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.



8.6696, 13.0546, 4.2577



13.6127, 13.0546, 41.3375



14.7076, 13.0546, 2.9292

Square

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



13.6127, 13.0546, 41.3375



19.9214, 13.0546, 11.1255



11.2766, 13.0546, 2.6688



7.0703, 13.0546, 17.8275

Rectangle

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



13.6127, 13.0546, 41.3375



18.9263, 13.0546, 25.4722



11.2766, 13.0546, 2.6688



7.5900, 13.0546, 6.8854

Sweetspot

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



13.6132, 13.0550, 41.3378



51.5240, 54.4246, 78.5952



19.9096, 32.0374, 23.7380



10.7435, 11.3424, 17.0107



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.6132, 13.0550, 41.3378



20.0529, 17.4164, 73.1106



10.7635, 6.5008, 40.2230



7.8352, 8.2697, 10.1360



7.2059, 5.5457, 29.7351



0.2550, 0.2634, 0.8454

Inverse Universe

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



20.8111, 12.2806, 13.5858



34.4301, 18.3423, 17.1227



30.6511, 37.9132, 8.9522



8.1346, 8.0671, 9.0197



13.5009, 6.8629, 5.0169



0.4031, 0.2019, 0.2846

Previews

White Background



This preview shows how the XYZ color 13.6127, 13.0546, 41.3375 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 13.6127, 13.0546, 41.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

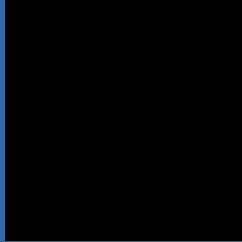
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6127, 13.0546, 41.3375

Background



This preview shows how black text looks on a background with the XYZ color 13.6127, 13.0546, 41.3375.



This preview shows how white text looks on a background with the XYZ color 13.6127, 13.0546,

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

13.6127, 13.0546, 41.3375

Protanopia

14.1492, 12.9397, 39.7821

Deuteranopia

13.4209, 13.1007, 41.3565



Tritanopia

9.2454, 12.9688, 20.1051

Trichromacy



Original Color

13.6127, 13.0546, 41.3375

Protanomaly

13.8624, 12.9207, 40.2914

Deuteranomaly

13.5131, 13.1483, 41.3608

Tritanomaly

10.3647, 12.7570, 26.7270

Monochromacy



Original Color

13.6127, 13.0546, 41.3375

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0743, 11.6417, 20.4023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6127, 13.0546, 41.3375 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(52, 101, 173)` looks like.

```
.text, #text, p{  
    color:rgb(52, 101, 173)  
}
```

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(52, 101, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 101, 173) }
```

Border

The CSS property to change the border of an element to XYZ 13.6127, 13.0546, 41.3375 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(52, 101, 173) }
```


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

```
.border{ border-color:rgb(52, 101, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 101, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 101, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 101, 173);  
box-shadow:4px 4px 4px 4px rgb(52, 101,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6127, 13.0546, 41.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 101, 173) }
```

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

```
.background{ background-color: rgb(52, 101,  
173) }
```

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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