

Converting Colors

XYZ(14.7342, 13.3351, 44.5817)

Have a look what the booklet for
XYZ(14.7342, 13.3351, 44.5817)
contains.

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Color

**XYZ(14.6484, 13.2351,
44.4304)**

Conversions

Conversions Part 1

Format	Color
Hex	3F63B3
RGB	63, 99, 179
RGB Percent	25%, 39%, 70%
CMY	0.7529, 0.6118, 0.2980
CMYK	0.65, 0.45, 0.00, 0.30
HSL	221°, 48%, 47%
HSV	221°, 65%, 70%
XYZ	14.6484, 13.2351, 44.4304
YIQ	97.3560, -47.1360, 17.2480

Conversions

Conversions Part 2

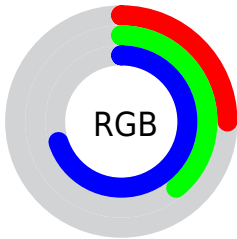
Format	Color
R_{YB}	63, 90, 179
Decimal	4154291
CIE _{Lab}	43.12, 13.27, -46.42
CIE _{LCh}	43, 48.279, 285.949
Yxy	13.2351, 0.2026, 0.1830
Android (android.graphics.Color)	4282344371 (0xFF3F63B3)
YUV	97.3560, 40.2505, -30.1302
Hunter-Lab	36.3801, 8.2077, -46.9439

Details

The XYZ color **14.6484, 13.2351, 44.4304** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **29.3112, 29.5894, 8.8700**, and the grayscale version is **11.3627, 11.9545, 13.0184**.

A 20% lighter version of the original color is **33.7689, 31.6306, 82.9228**, and **5.0390, 4.0526, 20.2553** is the 20% darker color. If you saturate the color by 10%, you get **12.6040, 10.5757, 44.0251**, and if you desaturate by 10%, it is **17.2444, 16.4445, 44.9133**.

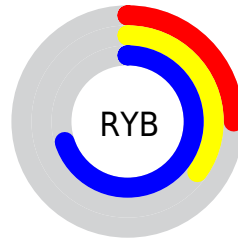
Distribution



Red (25%)

Green (39%)

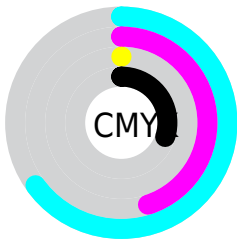
Blue (70%)



Red (25%)

Yellow (35%)

Blue (70%)

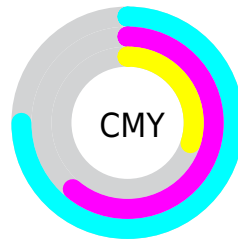


Cyan (65%)

Magenta (45%)

Yellow (0%)

Black (30%)



Cyan (75%)

Magenta (61%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6484, 13.2351, 44.4304 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 14.6484, 13.2351, 44.4304 by changing the saturation by 10% instead.

■ 14.6484, 13.2351,
44.4304

■ 14.6484, 13.2351,
44.4304

214.6589,
212.4189, 380.5544

■ 8.6577, 7.5906,
30.6693

■ 33.8119, 31.7255,
83.1744

■ 4.5739, 3.8341,
20.0908

■ 47.7155, 45.3402,
108.9944

■ 2.0317, 1.5812,
12.2764

■ 64.9873, 62.3805,
139.6711

■ 0.6517, 0.3449,
6.8074

■ 85.9929, 83.2307,
175.6230

■ 0.0000, 0.0000,
3.2653

■ 111.0974,
108.2753, 217.2688

■ 0.0000, 0.0000,
1.2316

140.6664,

■ 0.0000, 0.0000,

137.8986, 265.0269

0.0048

175.0651,
172.4850, 319.3159

■ 0.0000, 0.0000,
0.0000

■ 14.6484, 13.2351,
44.4304

■ 14.6484, 13.2351,
44.4304

■ 12.6040, 10.5757,
44.0251

■ 17.2444, 16.4445,
44.9133

■ 11.0637, 8.4296,
43.6921

■ 20.4303, 20.2346,
45.4770

■ 9.9739, 6.7562,
43.4265

■ 24.2428, 24.6351,
46.1254

■ 9.5290, 6.0393,
43.3116

■ 28.7152, 29.6730,
46.8621

■ 33.8780, 35.3738,
47.6904

■ 39.7600, 41.7614,
48.6133

■ 46.3881, 48.8584,
49.6338

■ 53.7880, 56.6865,
50.7548

■ 61.9839, 65.2664,
51.9789

Harmonies

Analogous

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



10.9221, 13.2351, 44.8032



14.6484, 13.2351, 44.4304



18.4503, 13.2351, 33.8540

Triad

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



14.6484, 13.2351, 44.4304



18.2351, 13.2351, 4.1347



6.8399, 13.2351, 9.9886

Complementary

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



14.6484, 13.2351, 44.4304



29.3112, 29.5894, 8.8700

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.



8.1085, 13.2351, 4.3468



14.6484, 13.2351, 44.4304



14.3967, 13.2351, 2.2754

Square

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



14.6484, 13.2351, 44.4304



20.7834, 13.2351, 9.4844



10.7153, 13.2351, 2.3270



6.8808, 13.2351, 20.8019

Rectangle

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



14.6484, 13.2351, 44.4304



20.3042, 13.2351, 24.4718



10.7153, 13.2351, 2.3270



7.1145, 13.2351, 7.5722

Sweetspot

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



14.6490, 13.2355, 44.4307



56.3386, 58.5887, 84.7206



23.0732, 35.2585, 31.2867



11.9091, 12.3468, 18.6777



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



14.6490, 13.2355, 44.4307



21.2208, 17.0950, 78.5624



13.5951, 8.7078, 43.6123



8.2500, 8.6461, 10.7404



6.7855, 4.3714, 30.6231



0.2668, 0.2441, 0.9813

Inverse Universe

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



22.6206, 14.0403, 13.3224



37.1463, 20.6024, 15.9889



31.0660, 39.8416, 10.7564



8.6014, 8.5473, 9.3992



13.6597, 6.9814, 3.3678



0.4567, 0.2304, 0.2476

Previews

White Background



This preview shows how the XYZ color 14.6484, 13.2351, 44.4304 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 14.6484, 13.2351, 44.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

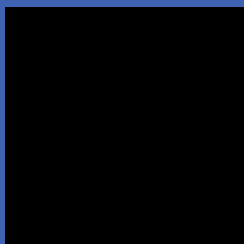
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6484, 13.2351, 44.4304

Background



This preview shows how black text looks on a background with the XYZ color 14.6484, 13.2351, 44.4304.



This preview shows how white text looks on a background with the XYZ color 14.6484, 13.2351,

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

14.6484, 13.2351, 44.4304

Protanopia

14.7129, 13.2683, 44.4334

Deuteranopia

13.6137, 13.2899, 43.9672



Tritanopia

9.7242, 13.2157, 20.1275

Trichromacy



Original Color

14.6484, 13.2351, 44.4304

Protanomaly

14.7129, 13.2683, 44.4334

Deuteranomaly

13.9140, 13.2979, 43.9529

Tritanomaly

11.0546, 12.9398, 27.5062

Monochromacy



Original Color

14.6484, 13.2351, 44.4304

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.9448, 12.1990, 21.8038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6484, 13.2351, 44.4304 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(63, 99, 179)` looks like.

```
.text, #text, p{  
    color:rgb(63, 99, 179)  
}
```

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(63, 99, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 99, 179) }
```

Border

The CSS property to change the border of an element to XYZ 14.6484, 13.2351, 44.4304 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(63, 99, 179) }
```


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

```
.border{ border-color:rgb(63, 99, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 99, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 99, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 99, 179);  
box-shadow:4px 4px 4px 4px rgb(63, 99,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6484, 13.2351, 44.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 99, 179) }
```

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

```
.background{ background-color: rgb(63, 99,  
179) }
```

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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