

Converting Colors

XYZ(15.1318, 15.2217, 41.1400)

Have a look what the booklet for
XYZ(15.1318, 15.2217, 41.1400)
contains.

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Color

**XYZ(15.1367, 15.2204,
41.1698)**

Conversions

Conversions Part 1

Format	Color
Hex	406EAC
RGB	64, 110, 172
RGB Percent	25%, 43%, 67%
CMY	0.7490, 0.5686, 0.3255
CMYK	0.63, 0.36, 0.00, 0.33
HSL	214°, 46%, 46%
HSV	214°, 63%, 67%
XYZ	15.1367, 15.2204, 41.1698
YIQ	103.3140, -47.3180, 9.5300

Conversions

Conversions Part 2

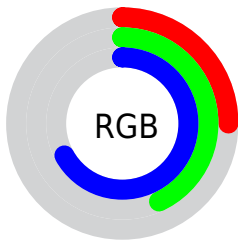
Format	Color
R _Y B	64, 96, 172
Decimal	4222636
CIE Lab	45.93, 4.06, -37.84
CIE LCh	46, 38.056, 276.125
Yxy	15.2204, 0.2116, 0.2128
Android (android.graphics.Color)	4282412716 (0xFF406EAC)
YUV	103.3140, 33.8622, -34.4784
Hunter-Lab	39.0133, 0.9825, -35.2579

Details

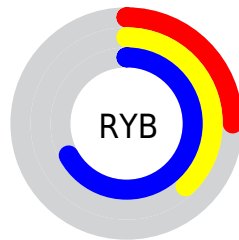
The XYZ color **15.1367, 15.2204, 41.1698** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.4006, 24.0641, 8.1575**, and the grayscale version is **12.8979, 13.5696, 14.7773**.

A 20% lighter version of the original color is **34.6336, 35.1561, 78.3592**, and **5.1073, 4.8869, 18.1269** is the 20% darker color. If you saturate the color by 10%, you get **13.1792, 12.7170, 40.7901**, and if you desaturate by 10%, it is **17.5590, 18.1401, 41.6060**.

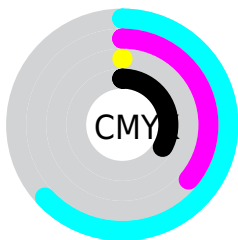
Distribution



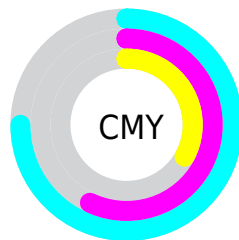
- Red (25%)
- Green (43%)
- Blue (67%)



- Red (25%)
- Yellow (38%)
- Blue (67%)



- Cyan (63%)
- Magenta (36%)
- Yellow (0%)
- Black (33%)



- Cyan (75%)
- Magenta (57%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1367, 15.2204, 41.1698 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 15.1367, 15.2204, 41.1698 by changing the saturation by 10% instead.

■ 15.1367, 15.2204,
41.1698

■ 15.1367, 15.2204,
41.1698

217.5641,
224.6964, 366.7274

■ 9.0023, 8.9742,
28.1311

■ 34.6625, 35.2394,
78.1981

■ 4.7998, 4.7244,
18.1846

■ 48.7846, 49.7809,
103.0247

■ 2.1638, 2.0865,
10.9118

■ 66.3001, 67.8564,
132.6177

■ 0.7236, 0.6570,
5.8941

■ 87.5742, 89.8502,
167.3956

■ 0.0000, 0.0000,
2.7131

■ 112.9723,
116.1467, 207.7770

■ 0.0000, 0.0000,
0.9500

142.8597,

■ 0.0000, 0.0000,

147.1303, 254.1804

0.0000

177.6019,
183.1854, 307.0244

■ 15.1367, 15.2204,
41.1698

■ 15.1367, 15.2204,
41.1698

■ 13.1792, 12.7170,
40.7901

■ 17.5590, 18.1401,
41.6060

■ 11.6479, 10.6037,
40.4629

■ 20.4769, 21.4968,
42.1001

■ 10.5002, 8.8525,
40.1854

■ 23.9201, 25.3114,
42.6549

■ 9.8458, 7.7773,
40.0123

■ 27.9154, 29.6026,
43.2727

■ 32.4879, 34.3883,
43.9554

■ 37.6607, 39.6851,
44.7051

■ 43.4560, 45.5088,
45.5238

■ 49.8944, 51.8745,
46.4131

■ 56.9958, 58.7967,
47.3750

Harmonies

Analogous

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



12.1042, 15.2204, 38.6284



15.1367, 15.2204, 41.1698



18.4290, 15.2204, 35.3995

Triad

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



15.1367, 15.2204, 41.1698



20.0613, 15.2204, 8.1676



9.5146, 15.2204, 10.3856

Complementary

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



15.1367, 15.2204, 41.1698



25.4006, 24.0641, 8.1575

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.



11.1171, 15.2204, 5.9851



15.1367, 15.2204, 41.1698



17.1179, 15.2204, 5.0767

Square

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



15.1367, 15.2204, 41.1698



21.5311, 15.2204, 14.7530



13.8164, 15.2204, 4.4604



9.1458, 15.2204, 18.5356

Rectangle

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



15.1367, 15.2204, 41.1698



20.2350, 15.2204, 28.5402



13.8164, 15.2204, 4.4604



9.9139, 15.2204, 8.5283

Sweetspot

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



15.1373, 15.2209, 41.1702



53.3810, 56.5927, 78.9158



20.5821, 32.0814, 24.5777



11.1203, 11.7922, 17.0777



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.



15.1373, 15.2209, 41.1702



22.8358, 21.6280, 73.7768



11.8939, 7.9935, 39.9461



7.8488, 8.2970, 10.1405



7.3791, 5.8920, 29.7929



0.2602, 0.2738, 0.8471

Inverse Universe

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



21.6617, 13.5640, 16.2286



36.1654, 20.3020, 22.3585



31.1539, 37.8536, 10.5159



8.1415, 8.0698, 9.0559



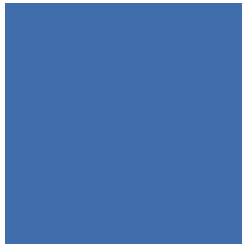
13.5883, 6.8978, 5.4772



0.4058, 0.2030, 0.2985

Previews

White Background



This preview shows how the XYZ color 15.1367, 15.2204, 41.1698 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 15.1367, 15.2204, 41.1698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

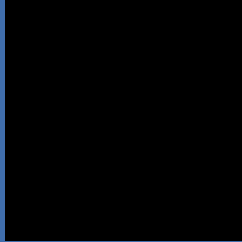
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1367, 15.2204, 41.1698

Background



This preview shows how black text looks on a background with the XYZ color 15.1367, 15.2204, 41.1698.



This preview shows how white text looks on a background with the XYZ color 15.1367, 15.2204,

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

15.1367, 15.2204, 41.1698

Protanopia

16.0618, 15.1039, 39.6049

Deuteranopia

15.4814, 15.0814, 41.1248



Tritanopia

11.5141, 15.2709, 23.1096

Trichromacy



Original Color

15.1367, 15.2204, 41.1698

Protanomaly

15.5740, 14.9955, 40.1038

Deuteranomaly

15.3693, 15.1810, 41.1499

Tritanomaly

12.6716, 15.2132, 29.0566

Monochromacy



Original Color

15.1367, 15.2204, 41.1698

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.1701, 13.9904, 22.4284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1367, 15.2204, 41.1698 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(64, 110, 172)` looks like.

```
.text, #text, p{  
    color:rgb(64, 110, 172)  
}
```

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(64, 110, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 110, 172) }
```

Border

The CSS property to change the border of an element to XYZ 15.1367, 15.2204, 41.1698 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(64, 110, 172) }
```


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

```
.border{ border-color:rgb(64, 110, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 110, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 110, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 110, 172);  
box-shadow:4px 4px 4px 4px rgb(64, 110,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1367, 15.2204, 41.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 110, 172) }
```

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

```
.background{ background-color: rgb(64, 110,  
172) }
```

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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