

Converting Colors

XYZ(15.4208, 15.6685, 42.2560)

Have a look what the booklet for
XYZ(15.4208, 15.6685, 42.2560)
contains.

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Color

**XYZ(15.4208, 15.6685,
42.2560)**

Conversions

Conversions Part 1

Format	Color
Hex	3E70AE
RGB	62, 112, 174
RGB Percent	24%, 44%, 68%
CMY	0.7568, 0.5608, 0.3176
CMYK	0.64, 0.36, 0.00, 0.32
HSL	213°, 47%, 46%
HSV	213°, 64%, 68%
XYZ	15.4208, 15.6685, 42.2560
YIQ	104.1180, -49.7020, 8.6820

Conversions

Conversions Part 2

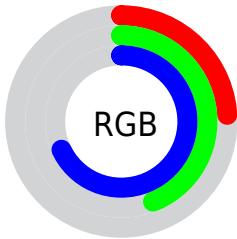
Format	Color
R_{YB}	62, 97, 174
Decimal	4092078
CIE Lab	46.54, 3.15, -38.06
CIE LCh	47, 38.192, 274.732
Yxy	15.6685, 0.2102, 0.2136
Android (android.graphics.Color)	4282282158 (0xFF3E70AE)
YUV	104.1180, 34.4518, -36.9375
Hunter-Lab	39.5835, 0.2684, -35.5846

Details

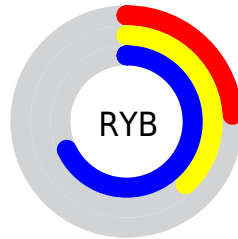
The XYZ color **15.4208, 15.6685, 42.2560** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.5338, 23.7634, 7.7994**, and the grayscale version is **13.1106, 13.7934, 15.0210**.

A 20% lighter version of the original color is **35.1258, 35.9006, 79.9411**, and **5.3415, 5.1611, 18.8038** is the 20% darker color. If you saturate the color by 10%, you get **13.4927, 13.1804, 41.8777**, and if you desaturate by 10%, it is **17.8131, 18.5651, 42.6893**.

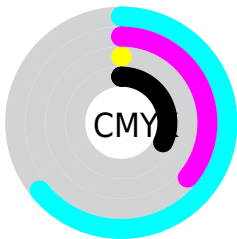
Distribution



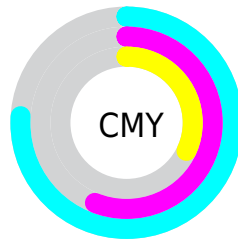
- Red (24%)
- Green (44%)
- Blue (68%)



- Red (24%)
- Yellow (38%)
- Blue (68%)



- Cyan (64%)
- Magenta (36%)
- Yellow (0%)
- Black (32%)



- Cyan (76%)
- Magenta (56%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4208, 15.6685, 42.2560 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 15.4208, 15.6685, 42.2560 by changing the saturation by 10% instead.

■ 15.4208, 15.6685,
42.2560

■ 15.4208, 15.6685,
42.2560

219.2375,
227.3776, 371.3740

■ 9.2035, 9.2899,
28.9747

■ 35.1553, 36.0217,
79.8612

■ 4.9323, 4.9307,
18.8163

■ 49.4033, 50.7652,
105.0222

■ 2.2419, 2.2067,
11.3621

■ 67.0588, 69.0656,
134.9802

■ 0.7647, 0.7236,
6.1937

■ 88.4872, 91.3075,
170.1537

■ 0.0000, 0.0000,
2.8926

■ 114.0540,
117.8753, 210.9613

■ 0.0000, 0.0000,
1.0400

144.1244,

■ 0.0000, 0.0000,

149.1533, 257.8215

0.0000

179.0638,
185.5259, 311.1529

■ 15.4208, 15.6685,
42.2560

■ 15.4208, 15.6685,
42.2560

■ 13.4927, 13.1804,
41.8777

■ 17.8131, 18.5651,
42.6893

■ 11.9888, 11.0743,
41.5505

■ 20.7014, 21.8911,
43.1791

■ 10.8640, 9.3217,
41.2714

■ 24.1164, 25.6673,
43.7280

■ 10.3414, 8.4587,
41.1324

■ 28.0858, 29.9127,
44.3382

■ 32.6351, 34.6449,
45.0118

■ 37.7881, 39.8804,
45.7508

■ 43.5673, 45.6352,
46.5570

■ 49.9941, 51.9242,
47.4322

■ 57.0887, 58.7617,
48.3780

Harmonies

Analogous

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



12.3505, 15.6685, 39.2672



15.4208, 15.6685, 42.2560



18.7980, 15.6685, 36.7172

Triad

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



15.4208, 15.6685, 42.2560



20.7240, 15.6685, 8.6757



9.8701, 15.6685, 10.4330

Complementary

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



15.4208, 15.6685, 42.2560



25.5338, 23.7634, 7.7994

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.



11.5692, 15.6685, 6.0777



15.4208, 15.6685, 42.2560



17.7612, 15.6685, 5.3566

Square

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



15.4208, 15.6685, 42.2560



22.1337, 15.6685, 15.6080



14.3763, 15.6685, 4.6205



9.4327, 15.6685, 18.6001

Rectangle

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



15.4208, 15.6685, 42.2560



20.6817, 15.6685, 29.8149



14.3763, 15.6685, 4.6205



10.2989, 15.6685, 8.5876

Sweetspot

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



15.4214, 15.6690, 42.2564



54.9591, 58.4617, 81.0244



20.7363, 32.7419, 24.1644



11.7091, 12.4653, 17.9332



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.4214, 15.6690, 42.2564



23.2951, 22.2995, 75.7133



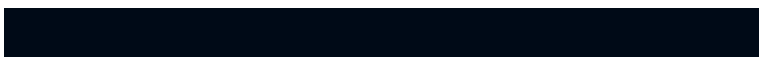
11.7196, 7.7168, 40.9166



7.8622, 8.3238, 10.1450



7.5581, 6.2501, 29.8525



0.2654, 0.2841, 0.8488

Inverse Universe

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



22.1034, 13.6146, 16.7926



36.9429, 20.4138, 23.1857



32.2398, 38.9892, 10.3848



8.1482, 8.0725, 9.0915



13.6786, 6.9340, 5.9531



0.4083, 0.2040, 0.3121

Previews

White Background



This preview shows how the XYZ color 15.4208, 15.6685, 42.2560 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 15.4208, 15.6685, 42.2560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

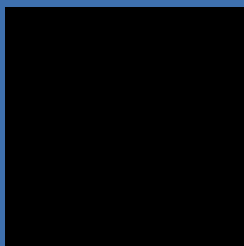
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4208, 15.6685, 42.2560

Background



This preview shows how black text looks on a background with the XYZ color 15.4208, 15.6685, 42.2560.



This preview shows how white text looks on a background with the XYZ color 15.4208, 15.6685,

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

15.4208, 15.6685, 42.2560

Protanopia

16.5487, 15.6536, 40.1795

Deuteranopia

15.9636, 15.6243, 42.2188



Tritanopia

11.7334, 15.7255, 23.8896

Trichromacy



Original Color

15.4208, 15.6685, 42.2560

Protanomaly

15.9612, 15.4973, 40.6781

Deuteranomaly

15.7787, 15.6901, 42.2413

Tritanomaly

12.9172, 15.6678, 29.9471

Monochromacy



Original Color

15.4208, 15.6685, 42.2560

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.3400, 14.2242, 22.8113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4208, 15.6685, 42.2560 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(62, 112, 174)` looks like.

```
.text, #text, p{  
    color:rgb(62, 112, 174)  
}
```

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(62, 112, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 112, 174) }
```

Border

The CSS property to change the border of an element to XYZ 15.4208, 15.6685, 42.2560 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(62, 112, 174) }
```


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

```
.border{ border-color:rgb(62, 112, 174) }
```

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

Here you see how a box with a 4 pixel rgb(62, 112, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 112, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 112, 174);  
box-shadow:4px 4px 4px 4px rgb(62, 112,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4208, 15.6685, 42.2560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 112, 174) }
```

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

```
.background{ background-color: rgb(62, 112,  
174) }
```

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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