

Converting Colors

XYZ(14.6692, 13.7217, 42.4328)

Have a look what the booklet for
XYZ(14.6692, 13.7217, 42.4328)
contains.

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Color

**XYZ(14.6692, 13.7217,
42.4328)**

Conversions

Conversions Part 1

Format	Color
Hex	4166AF
RGB	65, 102, 175
RGB Percent	25%, 40%, 69%
CMY	0.7451, 0.6000, 0.3137
CMYK	0.63, 0.42, 0.00, 0.31
HSL	220°, 46%, 47%
HSV	220°, 63%, 69%
XYZ	14.6692, 13.7217, 42.4328
YIQ	99.2590, -45.4850, 14.8590

Conversions

Conversions Part 2

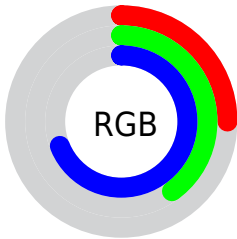
Format	Color
R_{YB}	65, 93, 175
Decimal	4286127
CIE _{Lab}	43.83, 10.31, -42.93
CIE _{LCh}	44, 44.150, 283.501
Yxy	13.7217, 0.2071, 0.1937
Android (android.graphics.Color)	4282476207 (0xFF4166AF)
YUV	99.2590, 37.3403, -30.0451
Hunter-Lab	37.0428, 5.8623, -41.9871

Details

The XYZ color **14.6692, 13.7217, 42.4328** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.7229, 27.6742, 8.8824**, and the grayscale version is **11.8426, 12.4593, 13.5682**.

A 20% lighter version of the original color is **33.8411, 32.6896, 80.1274**, and **4.9270, 4.2335, 18.9698** is the 20% darker color. If you saturate the color by 10%, you get **12.6226, 11.0894, 42.0329**, and if you desaturate by 10%, it is **17.2358, 16.8598, 42.9035**.

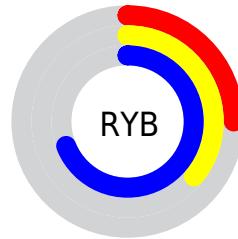
Distribution



Red (25%)

Green (40%)

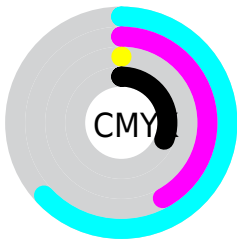
Blue (69%)



Red (25%)

Yellow (36%)

Blue (69%)

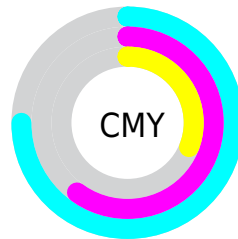


Cyan (63%)

Magenta (42%)

Yellow (0%)

Black (31%)



Cyan (75%)

Magenta (60%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6692, 13.7217, 42.4328 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 14.6692, 13.7217, 42.4328 by changing the saturation by 10% instead.

■ 14.6692, 13.7217,
42.4328

■ 14.6692, 13.7217,
42.4328

214.7835,
215.4926, 372.1264

■ 8.6724, 7.9274,
29.1122

■ 33.8482, 32.5944,
80.1314

■ 4.5835, 4.0485,
18.9194

■ 47.7612, 46.4416,
105.3465

■ 2.0372, 1.7007,
11.4359

■ 65.0435, 63.7418,
135.3635

■ 0.6547, 0.4241,
6.2430

■ 86.0605, 84.8794,
170.6010

■ 0.0000, 0.0000,
2.9222

■ 111.1777,
110.2390, 211.4775

■ 0.0000, 0.0000,
1.0550

140.7604,

■ 0.0000, 0.0000,

140.2047, 258.4115

0.0000

175.1738,
175.1611, 311.8216

■ 14.6692, 13.7217,
42.4328

■ 14.6692, 13.7217,
42.4328

■ 12.6226, 11.0894,
42.0329

■ 17.2358, 16.8598,
42.9035

■ 11.0531, 8.9305,
41.6989

■ 20.3568, 20.5302,
43.4475

■ 9.9133, 7.2102,
41.4269

■ 24.0657, 24.7591,
44.0683

■ 9.2946, 6.2086,
41.2662

■ 28.3924, 29.5703,
44.7689

■ 33.3650, 34.9860,
45.5521

■ 39.0097, 41.0276,
46.4208

■ 45.3510, 47.7149,
47.3773

■ 52.4124, 55.0670,
48.4243

■ 60.2162, 63.1023,
49.5639

Harmonies

Analogous

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



11.2308, 13.7217, 41.9141



14.6692, 13.7217, 42.4328



18.2176, 13.7217, 33.6218

Triad

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



14.6692, 13.7217, 42.4328



18.5289, 13.7217, 5.2439



7.6162, 13.7217, 10.1281

Complementary

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



14.6692, 13.7217, 42.4328



27.7229, 27.6742, 8.8824

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.



8.9533, 13.7217, 4.8987



14.6692, 13.7217, 42.4328



15.0383, 13.7217, 3.0628

Square

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



14.6692, 13.7217, 42.4328



20.6994, 13.7217, 10.8946



11.5399, 13.7217, 2.9734



7.5530, 13.7217, 19.8816

Rectangle

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



14.6692, 13.7217, 42.4328



20.0018, 13.7217, 25.2381



11.5399, 13.7217, 2.9734



7.9191, 13.7217, 7.9119

Sweetspot

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



14.6698, 13.7221, 42.4332



53.8547, 56.2529, 80.6563



21.9902, 33.5760, 28.8020



11.4349, 11.9170, 17.8419



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.



14.6698, 13.7221, 42.4332



21.5464, 18.4370, 75.0599



13.0653, 8.6482, 41.5383



7.7908, 8.1810, 10.1212



6.7078, 4.5495, 29.5691



0.2379, 0.2292, 0.8397

Inverse Universe

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



21.9683, 13.8546, 14.0870



36.1494, 20.4377, 17.9550



30.4837, 38.3619, 10.7999



8.1122, 8.0581, 8.9018



13.2494, 6.7623, 3.6931



0.3945, 0.1985, 0.2392

Previews

White Background



This preview shows how the XYZ color 14.6692, 13.7217, 42.4328 looks on a white background.

Color Contrast Check

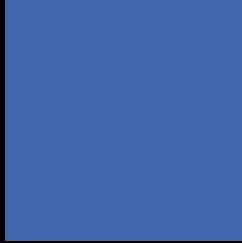
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6692, 13.7217, 42.4328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

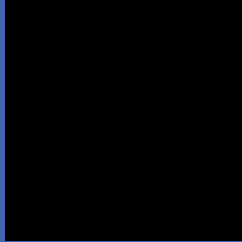
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.6692, 13.7217, 42.4328

Background



This preview shows how black text looks on a background with the XYZ color 14.6692, 13.7217, 42.4328.



This preview shows how white text looks on a background with the XYZ color 14.6692, 13.7217,

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

14.6692, 13.7217, 42.4328

Protanopia

14.9661, 13.7411, 41.9079

Deuteranopia

14.0585, 13.7135, 41.9504



Tritanopia

10.2796, 13.6524, 20.8323

Trichromacy



Original Color

14.6692, 13.7217, 42.4328

Protanomaly

14.7479, 13.6286, 41.8977

Deuteranomaly

14.1776, 13.6263, 41.9273

Tritanomaly

11.5700, 13.5187, 27.5907

Monochromacy



Original Color

14.6692, 13.7217, 42.4328

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.3184, 12.6729, 21.8755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6692, 13.7217, 42.4328 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(65, 102, 175)` looks like.

```
.text, #text, p{  
    color:rgb(65, 102, 175)  
}
```

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(65, 102, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 102, 175) }
```

Border

The CSS property to change the border of an element to XYZ 14.6692, 13.7217, 42.4328 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(65, 102, 175) }
```


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

```
.border{ border-color:rgb(65, 102, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 102, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(65, 102, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(65, 102, 175); box-shadow:4px 4px 4px 4px rgb(65, 102, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6692, 13.7217, 42.4328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 102, 175) }
```

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

```
.background{ background-color: rgb(65, 102,  
175) }
```

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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