

Converting Colors

XYZ(23.3824, 24.7330, 42.6066)

Have a look what the booklet for
XYZ(23.3824, 24.7330, 42.6066)
contains.

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Color

**XYZ(23.3449, 24.6662,
42.5604)**

Conversions

Conversions Part 1

Format	Color
Hex	718AAC
RGB	113, 138, 172
RGB Percent	44%, 54%, 67%
CMY	0.5569, 0.4588, 0.3255
CMYK	0.34, 0.20, 0.00, 0.33
HSL	215°, 26%, 56%
HSV	215°, 34%, 67%
XYZ	23.3449, 24.6662, 42.5604
YIQ	134.4010, -25.8140, 5.2740

Conversions

Conversions Part 2

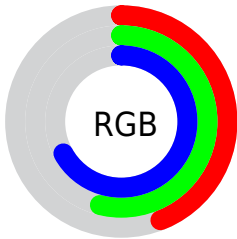
Format	Color
R_{YB}	113, 131, 172
Decimal	7441068
CIE Lab	56.75, -0.44, -20.80
CIE LCh	57, 20.809, 268.776
Yxy	24.6662, 0.2578, 0.2723
Android (android.graphics.Color)	4285631148 (0xFF718AAC)
YUV	134.4010, 18.5363, -18.7687
Hunter-Lab	49.6651, -3.0106, -16.0429

Details

The XYZ color **23.3449, 24.6662, 42.5604** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.4281, 30.8308, 19.9707**, and the grayscale version is **22.7488, 23.9335, 26.0636**.

A 20% lighter version of the original color is **48.2218, 50.9146, 79.9590**, and **8.8665, 9.3596, 19.1086** is the 20% darker color. If you saturate the color by 10%, you get **19.9806, 20.9167, 42.0144**, and if you desaturate by 10%, it is **27.2600, 28.8934, 43.1704**.

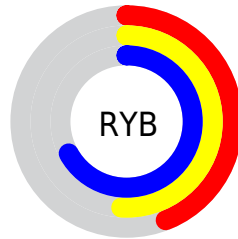
Distribution



Red (44%)

Green (54%)

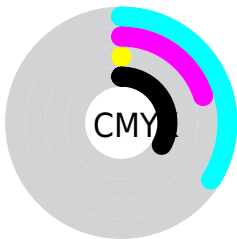
Blue (67%)



Red (44%)

Yellow (51%)

Blue (67%)

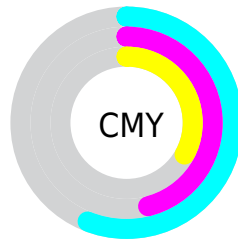


Cyan (34%)

Magenta (20%)

Yellow (0%)

Black (33%)



Cyan (56%)

Magenta (46%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3449, 24.6662, 42.5604 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 23.3449, 24.6662, 42.5604 by changing the saturation by 10% instead.

■ 23.3449, 24.6662,
42.5604

■ 23.3449, 24.6662,
42.5604

261.9939,
276.1715, 372.6687

■ 14.9705, 15.8285,
29.2115

■ 48.4215, 51.1152,
80.3263

■ 8.8849, 9.4029,
18.9939

■ 65.8545, 69.4953,
105.5804

■ 4.7227, 5.0049,
11.4891

■ 87.0376, 91.8250,
135.6399

■ 2.1185, 2.2501,
6.2785

■ 112.3363,
118.4887, 170.9235

■ 0.6993, 0.7471,
2.9437

142.1159,
149.8708, 211.8496

■ 0.0000, 0.0000,
1.0659

176.7418,

■ 0.0000, 0.0000,

186.3557, 258.8368

0.0000

216.5794,
228.3278, 312.3037

■ 23.3449, 24.6662,
42.5604

■ 23.3449, 24.6662,
42.5604

■ 19.9806, 20.9167,
42.0144

■ 27.2600, 28.8934,
43.1704

■ 17.1375, 17.6230,
41.5285

■ 31.7486, 33.6133,
43.8449

■ 14.7866, 14.7651,
41.1008

■ 36.8353, 38.8439,
44.5864

■ 12.8949, 12.3207,
40.7287

■ 42.5421, 44.6011,
45.3969

■ 11.4248, 10.2642,
40.4092

■ 48.8900, 50.9003,
46.2781

■ 10.3315, 8.5666,
40.1392

■ 55.8992, 57.7560,
47.2320

■ 9.8214, 7.7284,
40.0043

■ 63.5886, 65.1823,
48.2602

■ 71.9766, 73.1927,
49.3642

■ 76.2124, 79.2905,
50.3180

Harmonies

Analogous

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



21.1072, 24.6662, 39.9864



23.3449, 24.6662, 42.5604



25.7638, 24.6662, 40.3599

Triad

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



23.3449, 24.6662, 42.5604



27.7781, 24.6662, 20.9229



19.6754, 24.6662, 20.5068

Complementary

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



23.3449, 24.6662, 42.5604



30.4281, 30.8308, 19.9707

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.



21.2687, 24.6662, 16.7621



23.3449, 24.6662, 42.5604



25.9482, 24.6662, 16.9716

Square

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



23.3449, 24.6662, 42.5604



28.4272, 24.6662, 27.1439



23.5443, 24.6662, 15.5874



19.0809, 24.6662, 26.5727

Rectangle

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



23.3449, 24.6662, 42.5604



27.1331, 24.6662, 36.6645



23.5443, 24.6662, 15.5874



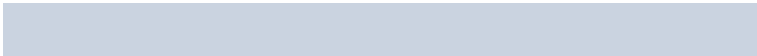
20.1063, 24.6662, 18.9763

Sweetspot

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



23.3457, 24.6672, 42.5610



61.2661, 64.7763, 80.0798



26.7853, 35.1052, 32.7361



13.0474, 13.8018, 17.3640



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.



23.3457, 24.6672, 42.5610



37.7218, 39.6114, 76.4634



20.6794, 18.5668, 41.5240



7.8474, 8.2942, 10.1400



7.3608, 5.8554, 29.7868



0.2597, 0.2728, 0.8469

Inverse Universe

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



27.5065, 22.4166, 26.9228



46.5568, 35.4763, 43.1130



33.8963, 39.0300, 21.3705



8.1408, 8.0696, 9.0522



13.5790, 6.8942, 5.4286



0.4055, 0.2029, 0.2970

Previews

White Background



This preview shows how the XYZ color 23.3449, 24.6662, 42.5604 looks on a white 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

Black Background



This preview shows how the XYZ color 23.3449, 24.6662, 42.5604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

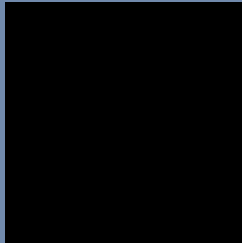
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

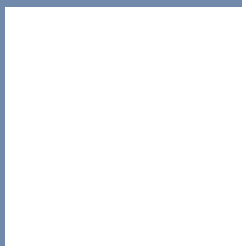
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3449, 24.6662, 42.5604

Background



This preview shows how black text looks on a background with the XYZ color 23.3449, 24.6662, 42.5604.

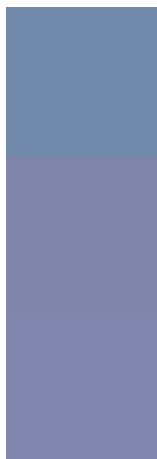


This preview shows how white text looks on a background with the XYZ color 23.3449, 24.6662,

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

23.3449, 24.6662, 42.5604

Protanopia

24.4389, 24.4268, 40.9629

Deuteranopia

25.1363, 24.5380, 42.9466



Tritanopia

21.4590, 24.5378, 33.7423

Trichromacy



Original Color

23.3449, 24.6662, 42.5604

Protanomaly

23.9457, 24.3678, 41.4716

Deuteranomaly

24.5190, 24.6302, 42.9970

Tritanomaly

22.1537, 24.6092, 36.8401

Monochromacy



Original Color

23.3449, 24.6662, 42.5604

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.6135, 23.9017, 31.4386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3449, 24.6662, 42.5604 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(113, 138, 172)` looks like.

```
.text, #text, p{  
    color:rgb(113, 138, 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(113, 138, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 138, 172) }
```

Border

The CSS property to change the border of an element to XYZ 23.3449, 24.6662, 42.5604 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(113, 138, 172) }
```


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

```
.border{ border-color:rgb(113, 138, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 138, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 138, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 138, 172);  
box-shadow:4px 4px 4px 4px rgb(113, 138,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3449, 24.6662, 42.5604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 138, 172) }
```

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

```
.background{ background-color: rgb(113,  
138, 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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