

Converting Colors

XYZ(23.0769, 24.1768, 48.7977)

Have a look what the booklet for
XYZ(23.0769, 24.1768, 48.7977)
contains.

XYZ(23.0769, 24.1768, 48.7977)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.0769, 24.1768,
48.7977)**

Conversions

Conversions Part 1

Format	Color
Hex	6689B8
RGB	102, 137, 184
RGB Percent	40%, 54%, 72%
CMY	0.6000, 0.4627, 0.2784
CMYK	0.45, 0.26, 0.00, 0.28
HSL	214°, 37%, 56%
HSV	214°, 45%, 72%
XYZ	23.0769, 24.1768, 48.7977
YIQ	131.8930, -35.9470, 7.1970

Conversions

Conversions Part 2

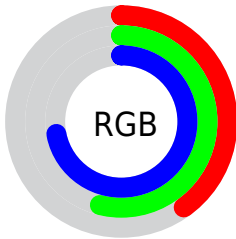
Format	Color
R_{YB}	102, 127, 184
Decimal	6719928
CIE _{Lab}	56.26, 0.44, -28.46
CIE _{LCh}	56, 28.463, 270.886
Yxy	24.1768, 0.2403, 0.2517
Android (android.graphics.Color)	4284910008 (0xFF6689B8)
YUV	131.8930, 25.6888, -26.2162
Hunter-Lab	49.1699, -2.2720, -24.4222

Details

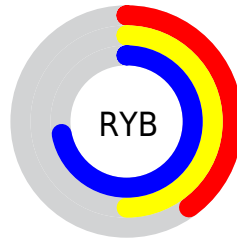
The XYZ color **23.0769, 24.1768, 48.7977** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **32.9136, 32.6455, 17.1378**, and the grayscale version is **21.8140, 22.9500, 24.9926**.

A 20% lighter version of the original color is **47.8519, 50.1861, 89.6029**, and **8.7239, 9.0835, 22.7662** is the 20% darker color. If you saturate the color by 10%, you get **19.7919, 20.3659, 48.2357**, and if you desaturate by 10%, it is **26.9729, 28.5213, 49.4314**.

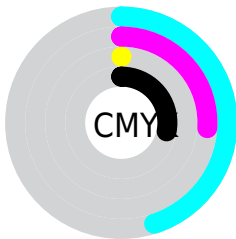
Distribution



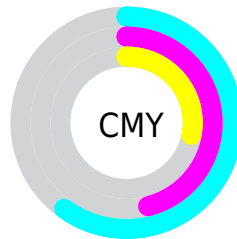
- Red (40%)
- Green (54%)
- Blue (72%)



- Red (40%)
- Yellow (50%)
- Blue (72%)



- Cyan (45%)
- Magenta (26%)
- Yellow (0%)
- Black (28%)



- Cyan (60%)
- Magenta (46%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0769, 24.1768, 48.7977 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 23.0769, 24.1768, 48.7977 by changing the saturation by 10% instead.

■ 23.0769, 24.1768,
48.7977

■ 23.0769, 24.1768,
48.7977

260.6477,
273.7131, 398.5449

■ 14.7713, 15.4648,
34.0946

■ 47.9853, 50.3186,
89.7688

■ 8.7443, 9.1463,
22.6883

■ 65.3188, 68.5171,
116.8738

■ 4.6306, 4.8367,
14.1604

■ 86.3923, 90.6467,
148.9499

■ 2.0647, 2.1518,
8.0923

■ 111.5712,
117.0916, 186.4156

■ 0.6699, 0.6935,
4.0654

141.2209,
148.2363, 229.6894

■ 0.0000, 0.0000,
1.6613

175.7066,

■ 0.0000, 0.0000,

184.4652, 279.1898

0.3340

215.3937,
226.1627, 335.3355

■ 0.0000, 0.0000,
0.0000

■ 23.0769, 24.1768,
48.7977

■ 23.0769, 24.1768,
48.7977

■ 19.7919, 20.3659,
48.2357

■ 26.9729, 28.5213,
49.4314

■ 17.0802, 17.0614,
47.7408

■ 31.5097, 33.4190,
50.1376

■ 14.9037, 14.2377,
47.3105

■ 36.7177, 38.8921,
50.9195

■ 13.2175, 11.8647,
46.9413

■ 42.6248, 44.9604,
51.7795

■ 11.9684, 9.9079,
46.6295

■ 49.2570, 51.6426,
52.7197

■ 11.4145, 8.9860,
46.4807

■ 56.6393, 58.9568,
53.7424

■ 64.7951, 66.9199,
54.8496

■ 73.7469, 75.5486,
56.0433

■ 78.7260, 82.3891,
57.1012

Harmonies

Analogous

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



20.0486, 24.1768, 45.4413



23.0769, 24.1768, 48.7977



26.3671, 24.1768, 45.0409

Triad

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



23.0769, 24.1768, 48.7977



28.8205, 24.1768, 18.1068



17.9034, 24.1768, 18.4861

Complementary

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



23.0769, 24.1768, 48.7977



32.9136, 32.6455, 17.1378

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.



19.8949, 24.1768, 13.6787



23.0769, 24.1768, 48.7977



26.1826, 24.1768, 13.4991

Square

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



23.0769, 24.1768, 48.7977



29.8711, 24.1768, 26.0464



22.8820, 24.1768, 12.0921



17.2386, 24.1768, 26.6045

Rectangle

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



23.0769, 24.1768, 48.7977



28.2218, 24.1768, 39.4250



22.8820, 24.1768, 12.0921



18.4299, 24.1768, 16.5044

Sweetspot

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



23.0777, 24.1777, 48.7983



67.9265, 71.9189, 92.5062



28.0031, 39.2593, 34.3138



14.1651, 15.0075, 19.8718



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.0777, 24.1777, 48.7983



36.2473, 37.3563, 87.5047



19.5237, 16.1193, 47.4302



8.8278, 9.3328, 11.4156



7.9339, 6.3276, 32.0563



0.3413, 0.3464, 1.1506

Inverse Universe

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



29.0346, 21.5002, 26.2874



48.6648, 32.9928, 40.3061



38.0221, 44.7690, 19.2087



9.1594, 9.0741, 10.1870



14.6184, 7.4211, 5.8771



0.5465, 0.2741, 0.3710

Previews

White Background



This preview shows how the XYZ color 23.0769, 24.1768, 48.7977 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 23.0769, 24.1768, 48.7977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

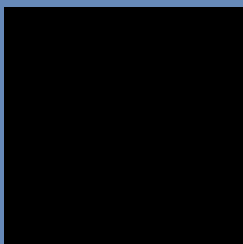
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

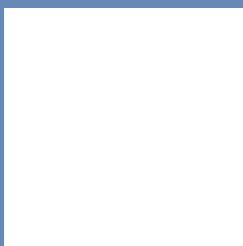
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0769, 24.1768, 48.7977

Background



This preview shows how black text looks on a background with the XYZ color 23.0769, 24.1768, 48.7977.

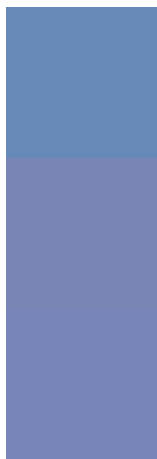


This preview shows how white text looks on a background with the XYZ color 23.0769, 24.1768,

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

23.0769, 24.1768, 48.7977

Protanopia

24.6132, 24.1762, 47.0853

Deuteranopia

24.7522, 24.1998, 49.2654



Tritanopia

20.1694, 24.3052, 34.2002

Trichromacy



Original Color

23.0769, 24.1768, 48.7977

Protanomaly

23.9080, 24.0050, 47.6293

Deuteranomaly

24.0921, 24.0637, 49.2739

Tritanomaly

21.1403, 24.2532, 39.1644

Monochromacy



Original Color

23.0769, 24.1768, 48.7977

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9962, 23.3495, 32.6257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0769, 24.1768, 48.7977 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(102, 137, 184)` looks like.

```
.text, #text, p{  
    color:rgb(102, 137, 184)  
}
```

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(102, 137, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 137, 184) }
```

Border

The CSS property to change the border of an element to XYZ 23.0769, 24.1768, 48.7977 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(102, 137, 184) }
```


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

```
.border{ border-color:rgb(102, 137, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 137, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 137, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 137, 184);  
box-shadow:4px 4px 4px 4px rgb(102, 137,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0769, 24.1768, 48.7977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 137, 184) }
```

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

```
.background{ background-color: rgb(102,  
137, 184) }
```

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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