

Converting Colors

XYZ(23.6105, 21.9331, 75.6260)

Have a look what the booklet for
XYZ(23.6105, 21.9331, 75.6260)
contains.

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Color

**XYZ(23.6987, 22.0744,
75.6848)**

Conversions

Conversions Part 1

Format	Color
Hex	4080E3
RGB	64, 128, 227
RGB Percent	25%, 50%, 89%
CMY	0.7490, 0.4980, 0.1098
CMYK	0.72, 0.44, 0.00, 0.11
HSL	216°, 74%, 57%
HSV	216°, 72%, 89%
XYZ	23.6987, 22.0744, 75.6848
YIQ	120.1500, -69.9230, 17.2210

Conversions

Conversions Part 2

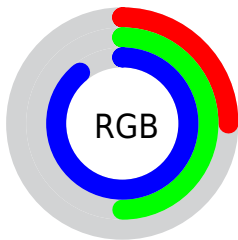
Format	Color
R _{YB}	64, 110, 227
Decimal	4227299
CIE _{Lab}	54.11, 12.52, -56.29
CIE _{LCh}	54, 57.669, 282.540
Y _{xy}	22.0744, 0.1951, 0.1817
Android (android.graphics.Color)	4282417379 (0xFF4080E3)
YUV	120.1500, 52.6771, -49.2435
Hunter-Lab	46.9834, 7.8155, -62.6209

Details

The XYZ color **23.6987, 22.0744, 75.6848** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **45.7038, 42.8998, 10.7239**, and the grayscale version is **17.7548, 18.6794, 20.3419**.

A 20% lighter version of the original color is **43.5772, 44.6083, 100.9212**, and **10.2193, 8.6776, 39.6644** is the 20% darker color. If you saturate the color by 10%, you get **20.8335, 18.1067, 75.0705**, and if you desaturate by 10%, it is **27.4105, 26.8418, 76.4099**.

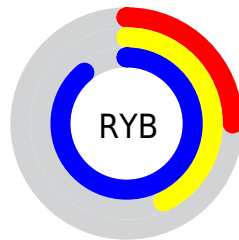
Distribution



Red (25%)

Green (50%)

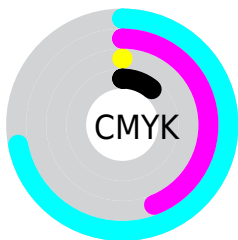
Blue (89%)



Red (25%)

Yellow (43%)

Blue (89%)

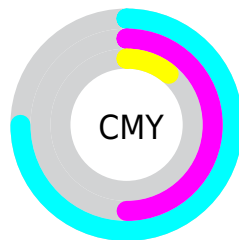


Cyan (72%)

Magenta (44%)

Yellow (0%)

Black (11%)



Cyan (75%)

Magenta (50%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6987, 22.0744, 75.6848 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 23.6987, 22.0744, 75.6848 by changing the saturation by 10% instead.

■ 23.6987, 22.0744,
75.6848

■ 23.6987, 22.0744,
75.6848

263.7625,
262.9346, 499.5861

■ 15.2338, 13.9116,
55.6690

■ 48.9963, 46.8689,
129.0373

■ 9.0710, 8.0592,
39.5354

■ 66.5598, 64.2694,
163.2110

■ 4.8450, 4.1328,
26.8654

■ 87.8868, 85.5179,
202.9411

■ 2.1904, 1.7482,
17.2406

■ 113.3427,
110.9989, 248.6461

■ 0.7377, 0.4545,
10.2424

■ 143.2928,
141.0966, 300.7445

■ 0.0000, 0.0000,
5.4523

178.1026,

■ 0.0000, 0.0000,

176.1955, 359.6550

2.4517

218.1374,
216.6801, 425.7960

■ 0.0000, 0.0000,
0.8144

■ 0.0000, 0.0000,
0.0000

■ 23.6987, 22.0744,
75.6848

■ 23.6987, 22.0744,
75.6848

■ 20.8335, 18.1067,
75.0705

■ 27.4105, 26.8418,
76.4099

■ 18.7243, 14.8767,
74.5582

■ 32.0403, 32.4587,
77.2500

■ 17.4476, 12.7109,
74.2074

■ 37.6545, 38.9727,
78.2114

■ 44.3119, 46.4263,
79.2993

■ 52.0665, 54.8593,
80.5183

■ 60.9684, 64.3088,
81.8730

■ 71.0645, 74.8100,
83.3678

■ 82.3990, 86.3960,
85.0068

■ 89.9450, 96.4856,
86.5566

Harmonies

Analogous

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



17.5793, 22.0744, 74.0544



23.6987, 22.0744, 75.6848



30.1956, 22.0744, 59.3380

Triad

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



23.6987, 22.0744, 75.6848



31.1347, 22.0744, 7.4719



11.4817, 22.0744, 15.1202

Complementary

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



23.6987, 22.0744, 75.6848



45.7038, 42.8998, 10.7239

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.



13.8624, 22.0744, 6.5540



23.6987, 22.0744, 75.6848



24.7956, 22.0744, 3.8881

Square

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



23.6987, 22.0744, 75.6848



35.0268, 22.0744, 17.3129



18.4795, 22.0744, 3.6655



11.3041, 22.0744, 32.3051

Rectangle

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



23.6987, 22.0744, 75.6848



33.5468, 22.0744, 43.6455



18.4795, 22.0744, 3.6655



12.0253, 22.0744, 11.4055

Sweetspot

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



23.6996, 22.0751, 75.6854



67.4133, 71.0216, 104.7632



36.0887, 58.6307, 43.5065



13.8113, 14.5352, 22.3276



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.6996, 22.0751, 75.6854



25.7017, 21.4589, 97.3951



19.0338, 10.9332, 73.7807



14.0447, 14.8107, 18.2629



10.2813, 7.6247, 43.3130



0.8481, 0.7401, 3.2301

Inverse Universe

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



37.4092, 21.5577, 22.6118



45.3621, 23.9038, 20.5695



55.1737, 69.1138, 15.2846



14.6101, 14.4612, 16.1473



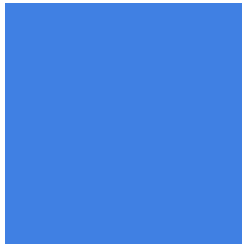
19.5830, 9.9674, 6.6992



1.4917, 0.7544, 0.7299

Previews

White Background



This preview shows how the XYZ color 23.6987, 22.0744, 75.6848 looks on a white background.

Color Contrast Check

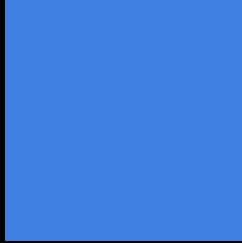
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6987, 22.0744, 75.6848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

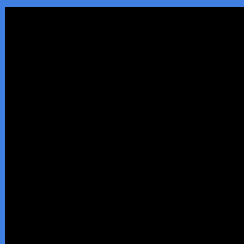
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

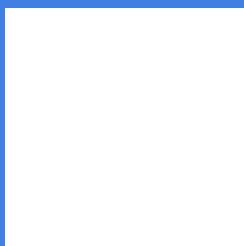
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6987, 22.0744, 75.6848

Background



This preview shows how black text looks on a background with the XYZ color 23.6987, 22.0744, 75.6848.



This preview shows how white text looks on a background with the XYZ color 23.6987, 22.0744,

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

23.6987, 22.0744, 75.6848

Protanopia

24.4443, 21.9339, 73.4663

Deuteranopia

22.7064, 21.9698, 74.9954



Tritanopia

15.6552, 21.9780, 33.9889

Trichromacy



Original Color

23.6987, 22.0744, 75.6848

Protanomaly

24.1120, 21.9357, 74.1973

Deuteranomaly

22.9430, 21.8953, 74.9685

Tritanomaly

17.7823, 21.6953, 46.9664

Monochromacy



Original Color

23.6987, 22.0744, 75.6848

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.5965, 19.3784, 35.5612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6987, 22.0744, 75.6848 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, 128, 227)` looks like.

```
.text, #text, p{  
    color:rgb(64, 128, 227)  
}
```

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, 128, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 227) }
```

Border

The CSS property to change the border of an element to XYZ 23.6987, 22.0744, 75.6848 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, 128, 227) }
```


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

```
.border{ border-color:rgb(64, 128, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 128, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 227);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6987, 22.0744, 75.6848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 227) }
```

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

```
.background{ background-color: rgb(64, 128,  
227) }
```

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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