

Converting Colors

XYZ(27.6673, 23.9463, 92.0648)

Have a look what the booklet for
XYZ(27.6673, 23.9463, 92.0648)
contains.

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Color

**XYZ(27.6952, 23.9737,
91.9746)**

Conversions

Conversions Part 1

Format	Color
Hex	4B81F8
RGB	75, 129, 248
RGB Percent	29%, 51%, 97%
CMY	0.7058, 0.4941, 0.0274
CMYK	0.70, 0.48, 0.00, 0.03
HSL	221°, 93%, 63%
HSV	221°, 70%, 97%
XYZ	27.6952, 23.9737, 91.9746
YIQ	126.4200, -70.3830, 25.5610

Conversions

Conversions Part 2

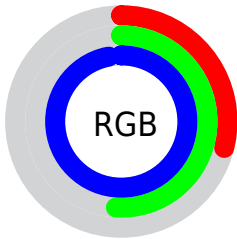
Format	Color
R _Y B	75, 116, 248
Decimal	4948472
CIE Lab	56.06, 20.87, -64.82
CIE LCh	56, 68.093, 287.849
Yxy	23.9737, 0.1928, 0.1669
Android (android.graphics.Color)	4283138552 (0xFF4B81F8)
YUV	126.4200, 59.9389, -45.0953
Hunter-Lab	48.9629, 15.2809, -77.0994

Details

The XYZ color **27.6952, 23.9737, 91.9746** is a light color, and the websafe version is hex **3366CC**. The color can be described as light washed azure. A complement of this color would be **59.2763, 59.0533, 14.9329**, and the grayscale version is **19.7949, 20.8258, 22.6793**.

A 20% lighter version of the original color is **45.7292, 46.0185, 101.0800**, and **12.3464, 9.6464, 50.5014** is the 20% darker color. If you saturate the color by 10%, you get **24.0569, 19.0361, 91.2139**, and if you desaturate by 10%, it is **32.4663, 30.0525, 92.8970**.

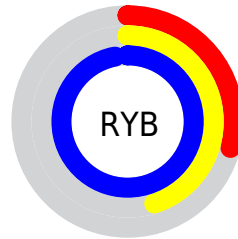
Distribution



Red (29%)

Green (51%)

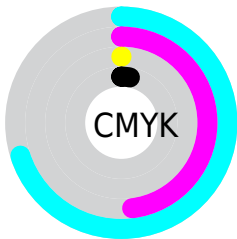
Blue (97%)



Red (29%)

Yellow (45%)

Blue (97%)

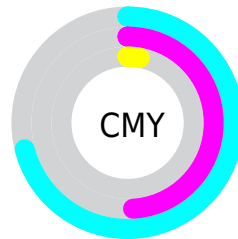


Cyan (70%)

Magenta (48%)

Yellow (0%)

Black (3%)



Cyan (71%)

Magenta (49%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6952, 23.9737, 91.9746 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 27.6952, 23.9737, 91.9746 by changing the saturation by 10% instead.

■ 27.6952, 23.9737,
91.9746

■ 27.6952, 23.9737,
91.9746

283.1142,
272.6875, 555.1684

■ 18.2353, 15.3141,
69.0366

■ 55.4095, 49.9873,
152.0376

■ 11.2198, 9.0401,
50.2696

■ 74.3946, 68.1101,
189.9997

■ 6.2832, 4.7674,
35.2550

■ 97.2855, 90.1560,
233.8068

■ 3.0603, 2.1114,
23.5742

■ 124.4475,
116.5096, 283.8777

■ 1.1858, 0.6710,
14.8088

156.2461,
147.5551, 340.6307

■ 0.0951, 0.0000,
8.5402

193.0464,

■ 0.0000, 0.0000,

183.6770, 404.4845

4.3498

235.2140,
225.2597, 475.8576

■ 0.0000, 0.0000,
1.8191

■ 0.0000, 0.0000,
0.4405

■ 27.6952, 23.9737,
91.9746

■ 27.6952, 23.9737,
91.9746

■ 24.0569, 19.0361,
91.2139

■ 32.4663, 30.0525,
92.8970

■ 21.4360, 15.1522,
90.6024

■ 38.4629, 37.3455,
93.9887

■ 19.6627, 12.2046,
90.1269

■ 45.7708, 45.9213,
95.2588

■ 19.6254, 12.1413,
90.1166

■ 54.4671, 55.8424,
96.7154

■ 64.6225, 67.1667,
98.3660

■ 76.3026, 79.9487,
100.2175

■ 89.5691, 94.2398,
102.2768

■ 93.9434, 99.5574,
103.0726

Harmonies

Analogous

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



19.7752, 23.9737, 94.5553



27.6952, 23.9737, 91.9746



35.8002, 23.9737, 66.7976

Triad

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



27.6952, 23.9737, 91.9746



34.3953, 23.9737, 5.4619



11.0515, 23.9737, 18.0715

Complementary

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



27.6952, 23.9737, 91.9746



59.2763, 59.0533, 14.9329

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.



13.3839, 23.9737, 6.5957



27.6952, 23.9737, 91.9746



26.0884, 23.9737, 2.6113

Square

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



27.6952, 23.9737, 91.9746



40.2347, 23.9737, 15.0344



18.4947, 23.9737, 2.8566



11.2912, 23.9737, 41.5919

Rectangle

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



27.6952, 23.9737, 91.9746



39.6752, 23.9737, 45.8601



18.4947, 23.9737, 2.8566



11.5339, 23.9737, 13.0345

Sweetspot

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



27.6963, 23.9744, 91.9752



67.3722, 69.9273, 104.5542



46.1204, 72.4916, 62.1427



13.7581, 14.2322, 22.2719



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.



27.6963, 23.9744, 91.9752



24.2823, 18.3390, 96.8677



25.4907, 14.9199, 90.3438



16.7250, 17.5268, 21.8868



10.7112, 6.7780, 48.7173



1.0823, 0.8082, 4.5421

Inverse Universe

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



45.1910, 26.5753, 23.5169



44.7143, 23.9074, 16.3481



63.2415, 82.2859, 19.2082



17.4677, 17.3144, 19.0527



21.6986, 11.0951, 5.1210



2.0552, 1.0458, 0.7141

Previews

White Background



This preview shows how the XYZ color 27.6952, 23.9737, 91.9746 looks on a white background.

Color Contrast Check

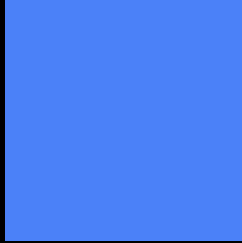
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6952, 23.9737, 91.9746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

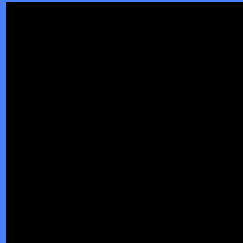
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

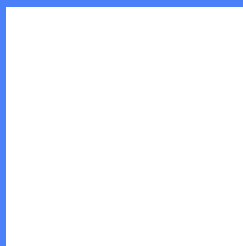
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6952, 23.9737, 91.9746

Background



This preview shows how black text looks on a background with the XYZ color 27.6952, 23.9737, 91.9746.



This preview shows how white text looks on a background with the XYZ color 27.6952, 23.9737,

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

27.6952, 23.9737, 91.9746

Protanopia

27.6800, 24.1444, 92.8240

Deuteranopia

24.5323, 23.8996, 85.7582



Tritanopia

16.9351, 23.7179, 36.9431

Trichromacy



Original Color

27.6952, 23.9737, 91.9746

Protanomaly

27.7540, 24.1825, 92.8274

Deuteranomaly

25.0172, 23.4791, 88.0074

Tritanomaly

19.4913, 23.0885, 53.2984

Monochromacy



Original Color

27.6952, 23.9737, 91.9746

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.9085, 21.2068, 41.0215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6952, 23.9737, 91.9746 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(75, 129, 248)` looks like.

```
.text, #text, p{  
    color:rgb(75, 129, 248)  
}
```

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(75, 129, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 129, 248) }
```

Border

The CSS property to change the border of an element to XYZ 27.6952, 23.9737, 91.9746 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(75, 129, 248) }
```


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

```
.border{ border-color:rgb(75, 129, 248) }
```

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

Here you see how a box with a 4 pixel rgb(75, 129, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 129, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 129, 248);  
box-shadow:4px 4px 4px 4px rgb(75, 129,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6952, 23.9737, 91.9746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 129, 248) }
```

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

```
.background{ background-color: rgb(75, 129,  
248) }
```

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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