

Converting Colors

XYZ(13.2158, 10.9022, 46.4485)

Have a look what the booklet for
XYZ(13.2158, 10.9022, 46.4485)
contains.

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Color

**XYZ(13.1744, 10.8637,
46.2023)**

Conversions

Conversions Part 1

Format	Color
Hex	3057B7
RGB	48, 87, 183
RGB Percent	19%, 34%, 72%
CMY	0.8117, 0.6588, 0.2824
CMYK	0.74, 0.52, 0.00, 0.28
HSL	223°, 58%, 45%
HSV	223°, 74%, 72%
XYZ	13.1744, 10.8637, 46.2023
YIQ	86.2830, -54.0600, 21.5880

Conversions

Conversions Part 2

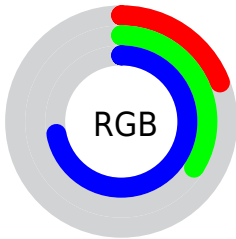
Format	Color
R _Y B	48, 78, 183
Decimal	3168183
CIE Lab	39.35, 20.18, -54.86
CIE LCh	39, 58.455, 290.200
Yxy	10.8637, 0.1876, 0.1547
Android (android.graphics.Color)	4281358263 (0xFF3057B7)
YUV	86.2830, 47.6815, -33.5742
Hunter-Lab	32.9601, 13.6675, -60.0385

Details

The XYZ color **13.1744, 10.8637, 46.2023** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **30.0370, 30.2304, 7.0493**, and the grayscale version is **8.8163, 9.2754, 10.1009**.

A 20% lighter version of the original color is **31.2144, 27.3443, 86.0709**, and **4.8263, 3.3127, 21.1539** is the 20% darker color. If you saturate the color by 10%, you get **11.5221, 8.5863, 45.8501**, and if you desaturate by 10%, it is **15.3736, 13.7051, 46.6351**.

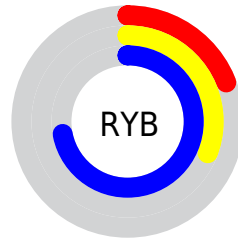
Distribution



 Red (19%)

 Green (34%)

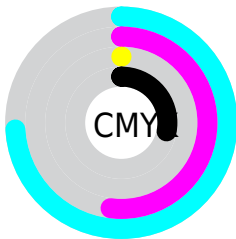
 Blue (72%)




 Red (19%)

 Yellow (31%)

 Blue (72%)

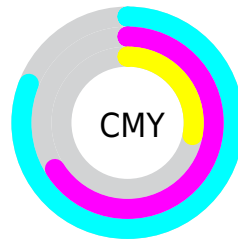


 Cyan (74%)

 Magenta (52%)

 Yellow (0%)

 Black (28%)



 Cyan (81%)

 Magenta (66%)

 Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1744, 10.8637, 46.2023 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 13.1744, 10.8637, 46.2023 by changing the saturation by 10% instead.

■ 13.1744, 10.8637,
46.2023

■ 13.1744, 10.8637,
46.2023

205.6475,
196.7301, 387.9226

■ 7.6266, 5.9753,
32.0557

■ 31.2154, 27.4078,
85.8591

■ 3.9067, 2.8300,
21.1389

■ 44.4393, 39.8323,
112.2064

■ 1.6495, 1.0437,
13.0333

■ 60.9526, 55.5376,
143.4577

■ 0.4243, 0.0000,
7.3205

■ 81.1206, 74.9081,
180.0315

■ 0.0000, 0.0000,
3.5819

■ 105.3088, 98.3282,
222.3463

■ 0.0000, 0.0000,
1.3989

133.8824,

■ 0.0000, 0.0000,

126.1823, 270.8208

0.1408

167.2068,
158.8548, 325.8733

■ 0.0000, 0.0000,
0.0000

■ 13.1744, 10.8637,
46.2023

■ 13.1744, 10.8637,
46.2023

■ 11.5221, 8.5863,
45.8501

■ 15.3736, 13.7051,
46.6351

■ 10.3580, 6.8274,
45.5719

■ 18.1667, 17.1487,
47.1526

■ 9.8139, 5.9522,
45.4317

■ 21.5969, 21.2300,
47.7595

■ 25.7029, 25.9810,
48.4602

■ 30.5201, 31.4317,
49.2584

■ 36.0812, 37.6101,
50.1578

■ 42.4171, 44.5427,
51.1620

■ 49.5567, 52.2543,
52.2742

■ 57.5275, 60.7689,
53.4976

Harmonies

Analogous

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



9.0869, 10.8637, 48.7782



13.1744, 10.8637, 46.2023



17.3233, 10.8637, 31.9108

Triad

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



13.1744, 10.8637, 46.2023



15.9856, 10.8637, 1.7550



4.5070, 10.8637, 8.5014

Complementary

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



13.1744, 10.8637, 46.2023



30.0370, 30.2304, 7.0493

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.



5.5233, 10.8637, 2.6574



13.1744, 10.8637, 46.2023



11.6720, 10.8637, 0.7161

Square

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



13.1744, 10.8637, 46.2023



19.2120, 10.8637, 5.7986



7.9203, 10.8637, 0.9078



4.7150, 10.8637, 21.0340

Rectangle

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



13.1744, 10.8637, 46.2023



19.2395, 10.8637, 20.8249



7.9203, 10.8637, 0.9078



4.7043, 10.8637, 5.8879

Sweetspot

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



13.1749, 10.8640, 46.2026



55.9751, 57.7648, 88.4352



23.0734, 36.4640, 31.6119



11.8098, 12.1383, 19.4421



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.



13.1749, 10.8640, 46.2026



19.1484, 13.1684, 81.7682



12.5069, 7.0298, 45.4977



8.7268, 9.1308, 11.3819



6.8984, 4.2564, 31.7111



0.2981, 0.2600, 1.1362

Inverse Universe

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



22.3062, 12.8702, 10.3254



37.0688, 19.4619, 10.8303



31.1781, 41.1488, 9.0966



9.1084, 9.0537, 9.9185



14.0957, 7.2120, 3.1246



0.5246, 0.2653, 0.2562

Previews

White Background



This preview shows how the XYZ color 13.1744, 10.8637, 46.2023 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 13.1744, 10.8637, 46.2023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

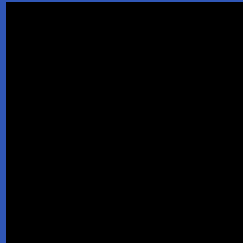
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1744, 10.8637, 46.2023

Background



This preview shows how black text looks on a background with the XYZ color 13.1744, 10.8637, 46.2023.



This preview shows how white text looks on a background with the XYZ color 13.1744, 10.8637,

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

13.1744, 10.8637, 46.2023

Protanopia

12.7553, 10.8672, 47.3242

Deuteranopia

10.7035, 10.6857, 36.6204



Tritanopia

7.6647, 10.8263, 16.4376

Trichromacy



Original Color

13.1744, 10.8637, 46.2023

Protanomaly

12.8011, 10.7802, 46.7535

Deuteranomaly

11.3229, 10.5416, 39.9660

Tritanomaly

9.0212, 10.4747, 25.2133

Monochromacy



Original Color

13.1744, 10.8637, 46.2023

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.4515, 9.4138, 19.4081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1744, 10.8637, 46.2023 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(48, 87, 183)` looks like.

```
.text, #text, p{  
    color:rgb(48, 87, 183)  
}
```

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(48, 87, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 87, 183) }
```

Border

The CSS property to change the border of an element to XYZ 13.1744, 10.8637, 46.2023 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(48, 87, 183) }
```


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

```
.border{ border-color:rgb(48, 87, 183) }
```

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

Here you see how a box with a 4 pixel rgb(48, 87, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 87, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 87, 183);  
box-shadow:4px 4px 4px 4px rgb(48, 87,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1744, 10.8637, 46.2023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 87, 183) }
```

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

```
.background{ background-color: rgb(48, 87,  
183) }
```

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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