

Converting Colors

XYZ(13.2093, 11.0027, 46.2273)

Have a look what the booklet for
XYZ(13.2093, 11.0027, 46.2273)
contains.

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Color

**XYZ(13.2093, 11.0027,
46.2273)**

Conversions

Conversions Part 1

Format	Color
Hex	2F58B7
RGB	47, 88, 183
RGB Percent	18%, 35%, 72%
CMY	0.8156, 0.6549, 0.2824
CMYK	0.74, 0.52, 0.00, 0.28
HSL	222°, 59%, 45%
HSV	222°, 74%, 72%
XYZ	13.2093, 11.0027, 46.2273
YIQ	86.5710, -54.9310, 20.8530

Conversions

Conversions Part 2

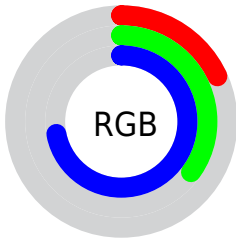
Format	Color
R_{YB}	47, 79, 183
Decimal	3102903
CIE _{Lab}	39.59, 19.40, -54.48
CIE _{LCh}	40, 57.832, 289.600
Yxy	11.0027, 0.1875, 0.1562
Android (android.graphics.Color)	4281292983 (0xFF2F58B7)
YUV	86.5710, 47.5395, -34.7038
Hunter-Lab	33.1703, 13.0354, -59.4094

Details

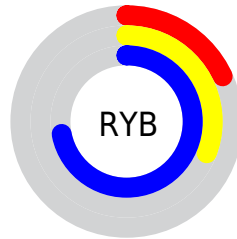
The XYZ color **13.2093, 11.0027, 46.2273** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **29.7165, 29.6219, 6.8418**, and the grayscale version is **8.8778, 9.3402, 10.1715**.

A 20% lighter version of the original color is **31.2294, 27.5621, 86.1121**, and **4.8631, 3.3863, 21.1662** is the 20% darker color. If you saturate the color by 10%, you get **11.5766, 8.7375, 45.8764**, and if you desaturate by 10%, it is **15.3807, 13.8189, 46.6567**.

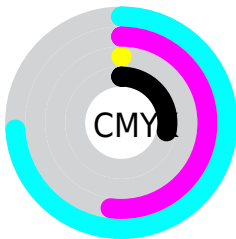
Distribution



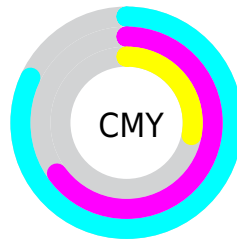
- Red (18%)
- Green (35%)
- Blue (72%)



- Red (18%)
- Yellow (31%)
- Blue (72%)



- Cyan (74%)
- Magenta (52%)
- Yellow (0%)
- Black (28%)



- Cyan (82%)
- Magenta (65%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2093, 11.0027, 46.2273 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 13.2093, 11.0027, 46.2273 by changing the saturation by 10% instead.

■ 13.2093, 11.0027,
46.2273

■ 13.2093, 11.0027,
46.2273

205.8653,
197.6861, 388.0258

■ 7.6508, 6.0687,
32.0753

■ 31.2774, 27.6652,
85.8969

■ 3.9223, 2.8869,
21.1537

■ 44.5178, 40.1624,
112.2516

■ 1.6582, 1.0730,
13.0441

■ 61.0494, 55.9494,
143.5109

■ 0.4299, 0.0000,
7.3278

■ 81.2378, 75.4107,
180.0934

■ 0.0000, 0.0000,
3.5864

■ 105.4482, 98.9306,
222.4176

■ 0.0000, 0.0000,
1.4013

134.0461,

■ 0.0000, 0.0000,

126.8935, 270.9020

0.1427

167.3966,
159.6839, 325.9653

■ 0.0000, 0.0000,
0.0000

■ 13.2093, 11.0027,
46.2273

■ 13.2093, 11.0027,
46.2273

■ 11.5766, 8.7375,
45.8764

■ 15.3807, 13.8189,
46.6567

■ 10.4239, 6.9785,
45.5976

■ 18.1374, 17.2233,
47.1685

■ 9.9211, 6.1665,
45.4674

■ 21.5227, 21.2505,
47.7674

■ 25.5747, 25.9319,
48.4575

■ 30.3286, 31.2966,
49.2424

■ 35.8170, 37.3719,
50.1258

■ 42.0703, 44.1835,
51.1110

■ 49.1172, 51.7558,
52.2012

■ 56.9849, 60.1119,
53.3994

Harmonies

Analogous

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



9.1494, 11.0027, 48.4779



13.2093, 11.0027, 46.2273



17.3498, 11.0027, 32.2508

Triad

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



13.2093, 11.0027, 46.2273



16.1737, 11.0027, 1.8912



4.6377, 11.0027, 8.4760

Complementary

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



13.2093, 11.0027, 46.2273



29.7165, 29.6219, 6.8418

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.



5.6859, 11.0027, 2.7045



13.2093, 11.0027, 46.2273



11.8852, 11.0027, 0.7948

Square

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



13.2093, 11.0027, 46.2273



19.3370, 11.0027, 6.0781



8.1176, 11.0027, 0.9626



4.8230, 11.0027, 20.8274

Rectangle

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



13.2093, 11.0027, 46.2273



19.2826, 11.0027, 21.2416



8.1176, 11.0027, 0.9626



4.8446, 11.0027, 5.8989

Sweetspot

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



13.2098, 11.0030, 46.2276



56.1275, 58.0695, 88.4860



22.8354, 36.3634, 30.6019



11.8464, 12.2115, 19.4543



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.



13.2098, 11.0030, 46.2276



19.3675, 13.6066, 81.8413



12.2324, 6.8283, 45.4733



8.7359, 9.1491, 11.3850



6.9746, 4.4090, 31.7365



0.3020, 0.2676, 1.1375

Inverse Universe

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



22.3070, 12.8058, 10.5286



37.1794, 19.5062, 11.4126



31.5610, 41.3486, 9.0081



9.1131, 9.0556, 9.9428



14.1342, 7.2274, 3.3273



0.5266, 0.2661, 0.2664

Previews

White Background



This preview shows how the XYZ color 13.2093, 11.0027, 46.2273 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 13.2093, 11.0027, 46.2273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

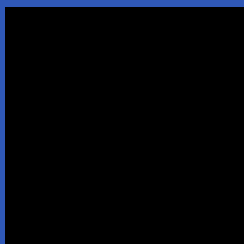
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2093, 11.0027, 46.2273

Background



This preview shows how black text looks on a background with the XYZ color 13.2093, 11.0027, 46.2273.



This preview shows how white text looks on a background with the XYZ color 13.2093, 11.0027,

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

13.2093, 11.0027, 46.2273

Protanopia

12.9485, 11.0911, 47.3573

Deuteranopia

10.8837, 10.9010, 37.1278



Tritanopia

7.7195, 10.8482, 16.7260

Trichromacy



Original Color

13.2093, 11.0027, 46.2273

Protanomaly

12.9517, 10.9805, 46.7842

Deuteranomaly

11.5047, 10.7520, 40.4987

Tritanomaly

9.1142, 10.6607, 25.2443

Monochromacy



Original Color

13.2093, 11.0027, 46.2273

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.5935, 9.5992, 19.7596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2093, 11.0027, 46.2273 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(47, 88, 183)` looks like.

```
.text, #text, p{  
    color:rgb(47, 88, 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(47, 88, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 88, 183) }
```

Border

The CSS property to change the border of an element to XYZ 13.2093, 11.0027, 46.2273 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(47, 88, 183) }
```


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

```
.border{ border-color:rgb(47, 88, 183) }
```

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

Here you see how a box with a 4 pixel rgb(47, 88, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 88, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 88, 183);  
box-shadow:4px 4px 4px 4px rgb(47, 88,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2093, 11.0027, 46.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 88, 183) }
```

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

```
.background{ background-color: rgb(47, 88,  
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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