

Converting Colors

XYZ(20.8594, 24.0841, 48.2692)

Have a look what the booklet for
XYZ(20.8594, 24.0841, 48.2692)
contains.

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Color

**XYZ(20.8927, 24.1426,
48.3586)**

Conversions

Conversions Part 1

Format	Color
Hex	488EB7
RGB	72, 142, 183
RGB Percent	28%, 56%, 72%
CMY	0.7176, 0.4431, 0.2823
CMYK	0.61, 0.22, 0.00, 0.28
HSL	202°, 44%, 50%
HSV	202°, 61%, 72%
XYZ	20.8927, 24.1426, 48.3586
YIQ	125.7440, -54.8810, -2.0890

Conversions

Conversions Part 2

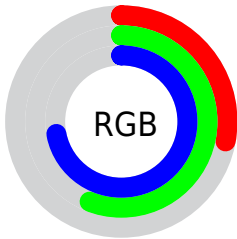
Format	Color
R_{YB}	72, 115, 183
Decimal	4755127
CIE _{Lab}	56.23, -9.58, -28.06
CIE _{LCh}	56, 29.649, 251.145
Yxy	24.1426, 0.2237, 0.2585
Android (android.graphics.Color)	4282945207 (0xFF488EB7)
YUV	125.7440, 28.2272, -47.1335
Hunter-Lab	49.1351, -10.0866, -23.9584

Details

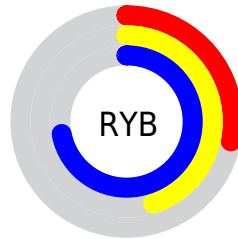
The XYZ color **20.8927, 24.1426, 48.3586** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.6041, 22.3465, 9.0429**, and the grayscale version is **19.6658, 20.6899, 22.5313**.

A 20% lighter version of the original color is **44.5258, 50.4577, 89.0539**, and **7.8564, 9.2660, 22.4935** is the 20% darker color. If you saturate the color by 10%, you get **18.7507, 21.5908, 47.9794**, and if you desaturate by 10%, it is **23.5033, 27.0275, 48.7783**.

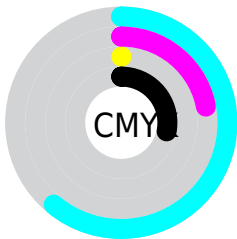
Distribution



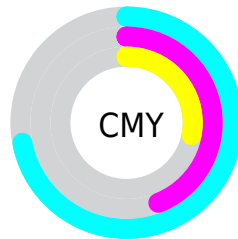
- Red (28%)
- Green (56%)
- Blue (72%)



- Red (28%)
- Yellow (45%)
- Blue (72%)



- Cyan (61%)
- Magenta (22%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (44%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8927, 24.1426, 48.3586 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 20.8927, 24.1426, 48.3586 by changing the saturation by 10% instead.

■ 20.8927, 24.1426,
48.3586

■ 20.8927, 24.1426,
48.3586

249.4502,
273.5406, 396.7614

■ 13.1576, 15.4394,
33.7489

■ 44.4015, 50.2628,
89.1092

■ 7.6149, 9.1284,
22.4250

■ 60.9059, 68.4486,
116.0872

■ 3.8993, 4.8250,
13.9682

■ 81.0642, 90.5641,
148.0251

■ 1.6453, 2.1450,
7.9601

■ 105.2416,
116.9937, 185.3414

■ 0.4217, 0.6897,
3.9820

■ 133.8036,
148.1218, 228.4546

■ 0.0000, 0.0000,
1.6155

167.1154,

■ 0.0000, 0.0000,

184.3327, 277.7833

0.3018

205.5425,
226.0108, 333.7461

■ 0.0000, 0.0000,
0.0000

■ 20.8927, 24.1426,
48.3586

■ 20.8927, 24.1426,
48.3586

■ 18.7507, 21.5908,
47.9794

■ 23.5033, 27.0275,
48.7783

■ 17.0366, 19.3480,
47.6369

■ 26.6139, 30.2617,
49.2386

■ 15.7060, 17.3903,
47.3291

■ 30.2555, 33.8634,
49.7419

■ 14.7244, 15.7730,
47.0687

■ 34.4561, 37.8483,
50.2897

■ 39.2415, 42.2312,
50.8834

■ 44.6357, 47.0259,
51.5246

■ 50.6614, 52.2455,
52.2145

■ 57.3400, 57.9024,
52.9544

■ 64.6921, 64.0084,
53.7455

Harmonies

Analogous

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



18.3556, 24.1426, 40.6768



20.8927, 24.1426, 48.3586



24.2375, 24.1426, 49.3463

Triad

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



20.8927, 24.1426, 48.3586



29.9986, 24.1426, 22.8225



18.8980, 24.1426, 14.5319

Complementary

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



20.8927, 24.1426, 48.3586



26.6041, 22.3465, 9.0429

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.



21.7028, 24.1426, 11.8340



20.8927, 24.1426, 48.3586



28.2461, 24.1426, 15.7678

Square

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



20.8927, 24.1426, 48.3586



29.7267, 24.1426, 32.8337



25.1313, 24.1426, 12.2220



17.2852, 24.1426, 20.6744

Rectangle

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



20.8927, 24.1426, 48.3586



26.5072, 24.1426, 45.8527



25.1313, 24.1426, 12.2220



19.7204, 24.1426, 13.2701

Sweetspot

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



20.8935, 24.1435, 48.3592



63.6327, 69.5690, 90.3101



22.5705, 36.4309, 21.3777



13.5322, 14.8806, 19.8806



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.



20.8935, 24.1435, 48.3592



32.4071, 37.1797, 85.7041



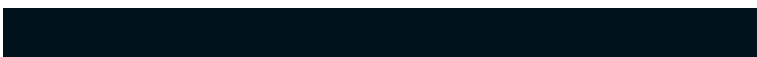
14.6126, 11.5817, 46.2656



8.9803, 9.6378, 11.4664



10.3392, 11.1380, 32.8580



0.4215, 0.5067, 1.1773

Inverse Universe

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



26.7290, 16.6559, 27.3981



44.3729, 24.7256, 42.0727



34.7384, 38.6151, 11.7543



9.2364, 9.1049, 10.5922



15.8324, 7.9067, 12.2702



0.5869, 0.2902, 0.5841

Previews

White Background



This preview shows how the XYZ color 20.8927, 24.1426, 48.3586 looks on a white background.

Color Contrast Check

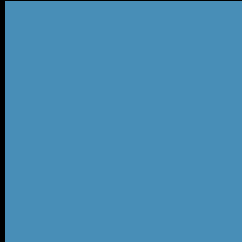
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8927, 24.1426, 48.3586 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 20.8927, 24.1426, 48.3586

Background



This preview shows how black text looks on a background with the XYZ color 20.8927, 24.1426, 48.3586.



This preview shows how white text looks on a background with the XYZ color 20.8927, 24.1426,

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

20.8927, 24.1426, 48.3586

Protanopia

24.2500, 24.0472, 44.4378

Deuteranopia

24.4794, 23.8569, 49.2136



Tritanopia

18.3749, 24.0185, 36.0153

Trichromacy



Original Color

20.8927, 24.1426, 48.3586

Protanomaly

22.6498, 23.8060, 46.0491

Deuteranomaly

22.8227, 23.8357, 48.7453

Tritanomaly

19.2804, 24.1646, 40.2073

Monochromacy



Original Color

20.8927, 24.1426, 48.3586

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4616, 21.6733, 30.7614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8927, 24.1426, 48.3586 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(72, 142, 183)` looks like.

```
.text, #text, p{  
    color:rgb(72, 142, 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(72, 142, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 142, 183) }
```

Border

The CSS property to change the border of an element to XYZ 20.8927, 24.1426, 48.3586 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(72, 142, 183) }
```


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

```
.border{ border-color:rgb(72, 142, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 142, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 142, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 142, 183);  
box-shadow:4px 4px 4px 4px rgb(72, 142,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8927, 24.1426, 48.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 142, 183) }
```

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

```
.background{ background-color: rgb(72, 142,  
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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