

Converting Colors

XYZ(40.0822, 20.8111, 8.0825)

Have a look what the booklet for
XYZ(40.0822, 20.8111, 8.0825)
contains.

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Color

**XYZ(40.0664, 20.7949,
8.0330)**

Conversions

Conversions Part 1

Format	Color
Hex	F81048
RGB	248, 16, 72
RGB Percent	97%, 6%, 28%
CMY	0.0275, 0.9371, 0.7176
CMYK	0.00, 0.94, 0.71, 0.03
HSL	346°, 94%, 52%
HSV	346°, 94%, 97%
XYZ	40.0664, 20.7949, 8.0330
YIQ	91.7520, 120.2960, 66.6000

Conversions

Conversions Part 2

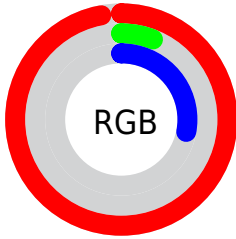
Format	Color
R_{YB}	248, 16, 72
Decimal	16257096
CIE _{Lab}	52.72, 78.68, 34.61
CIE _{LCh}	53, 85.952, 23.744
Yxy	20.7949, 0.5816, 0.3018
Android (android.graphics.Color)	4294447176 (0xFFFF81048)
YUV	91.7520, -9.7377, 137.0295
Hunter-Lab	45.6014, 77.0315, 21.4767

Details

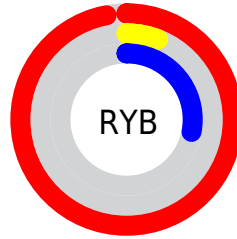
The XYZ color **40.0664, 20.7949, 8.0330** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **43.3012, 71.0528, 61.3282**, and the grayscale version is **10.1237, 10.6509, 11.5989**.

A 20% lighter version of the original color is **49.1873, 31.7304, 21.3014**, and **19.7502, 10.1560, 2.0817** is the 20% darker color. If you saturate the color by 10%, you get **39.5221, 20.2807, 6.0822**, and if you desaturate by 10%, it is **41.3793, 22.2839, 11.9767**.

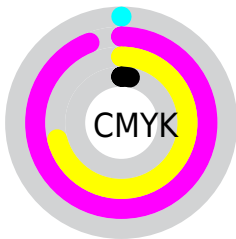
Distribution



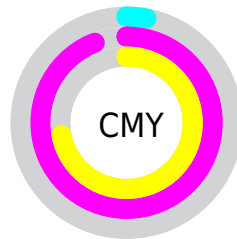
- Red (97%)
- Green (6%)
- Blue (28%)



- Red (97%)
- Yellow (6%)
- Blue (28%)



- Cyan (0%)
- Magenta (94%)
- Yellow (71%)
- Black (3%)





- Cyan (3%)
- Magenta (94%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0664, 20.7949, 8.0330 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 40.0664, 20.7949, 8.0330 by changing the saturation by 10% instead.


 40.0664, 20.7949,
8.0330


 40.0664, 20.7949,
8.0330


337.5330,
256.1865, 185.9349


 27.7748, 12.9742,
4.0280


 74.5483, 44.7459,
22.5704

 18.2955, 7.4108,
1.6407


 97.4693, 61.6450,
33.9398

 11.2633, 3.7203,
0.3196


 124.6641, 82.3390,
48.6011

 6.3128, 1.5184,
0.0000

 156.4981,
107.2123, 66.9728

 3.0787, 0.3016,
0.0000

 193.3366,
136.6493, 89.4735

 1.1955, 0.0000,
0.0000

 235.5450,

 0.1028, 0.0000,

171.0344, 116.5218

0.0000

283.4887,
210.7520, 148.5360

■ 0.0000, 0.0000,
0.0000

■ 40.0664, 20.7949,
8.0330

■ 40.0664, 20.7949,
8.0330

■ 39.5221, 20.2807,
6.0822

■ 41.3793, 22.2839,
11.9767

■ 43.4335, 24.9295,
17.1707

■ 46.3313, 28.9148,
23.7179

■ 50.1578, 34.3893,
31.7094

■ 54.9871, 41.4826,
41.2275

■ 60.8857, 50.3102,
52.3485

■ 67.9141, 60.9767,
65.1429

■ 76.1283, 73.5788,
79.6774

■ 85.5806, 88.2061,
96.0146

Harmonies

Analogous

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



42.2742, 20.7949, 28.4473



40.0664, 20.7949, 8.0330



31.7856, 20.7949, 1.6190

Triad

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



40.0664, 20.7949, 8.0330



8.8843, 20.7949, 4.2154



17.9487, 20.7949, 115.4283

Complementary

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



40.0664, 20.7949, 8.0330



43.3012, 71.0528, 61.3282

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.



11.2362, 20.7949, 90.1478



40.0664, 20.7949, 8.0330



7.1212, 20.7949, 17.6858

Square

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



40.0664, 20.7949, 8.0330



13.6153, 20.7949, 0.8549



7.8289, 20.7949, 48.8406



27.5332, 20.7949, 104.3203

Rectangle

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



40.0664, 20.7949, 8.0330



24.9829, 20.7949, 0.5865



7.8289, 20.7949, 48.8406



15.3293, 20.7949, 110.5331

Sweetspot

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



40.0669, 20.7962, 8.0333



68.8194, 59.5838, 63.0233



38.3672, 18.0979, 90.2775



14.0568, 11.7336, 12.2570



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.



40.0669, 20.7962, 8.0333



42.0962, 21.6025, 6.4387



41.2562, 24.8962, 3.1231



17.4162, 17.2939, 18.7817



21.3956, 10.9740, 3.5259



2.0213, 1.0323, 0.5358

Inverse Universe

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



40.0669, 20.7962, 8.0333



42.0962, 21.6025, 6.4387



35.5736, 43.7197, 95.3702



17.4162, 17.2939, 18.7817



21.3956, 10.9740, 3.5259



2.0213, 1.0323, 0.5358

Previews

White Background



This preview shows how the XYZ color 40.0664, 20.7949, 8.0330 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



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 40.0664, 20.7949, 8.0330

Background



This preview shows how black text looks on a background with the XYZ color 40.0664, 20.7949, 8.0330.



This preview shows how white text looks on a background with the XYZ color 40.0664, 20.7949,

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

40.0664, 20.7949, 8.0330

Protanopia

19.8939, 21.0306, 16.6465

Deuteranopia

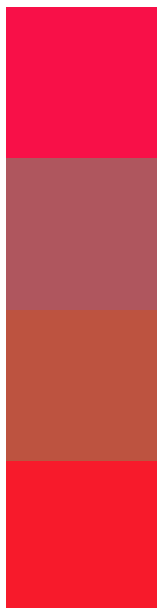
21.3633, 21.0689, 7.2157



Tritanopia

39.0721, 20.8863, 3.0090

Trichromacy



Original Color

40.0664, 20.7949, 8.0330

Protanomaly

23.0274, 16.5777, 12.5758

Deuteranomaly

25.0049, 17.3755, 6.8864

Tritanomaly

39.1632, 20.6874, 4.2144

Monochromacy



Original Color

40.0664, 20.7949, 8.0330

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

15.8675, 10.7122, 9.8257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0664, 20.7949, 8.0330 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(248, 16, 72)` looks like.

```
.text, #text, p{  
    color:rgb(248, 16, 72)  
}
```

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(248, 16, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 16, 72) }
```

Border

The CSS property to change the border of an element to XYZ 40.0664, 20.7949, 8.0330 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(248, 16, 72) }
```


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

```
.border{ border-color:rgb(248, 16, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 16, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 16, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 16, 72);  
box-shadow:4px 4px 4px 4px rgb(248, 16,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0664, 20.7949, 8.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 16, 72) }
```

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

```
.background{ background-color: rgb(248, 16,  
72) }
```

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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