

Converting Colors

XYZ(40.2031, 20.6314, 6.1328)

Have a look what the booklet for
XYZ(40.2031, 20.6314, 6.1328)
contains.

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Color

**XYZ(40.2400, 20.6502,
6.1400)**

Conversions

Conversions Part 1

Format	Color
Hex	FA003C
RGB	250, 0, 60
RGB Percent	98%, 0%, 24%
CMY	0.0196, 0.9998, 0.7647
CMYK	0.00, 1.00, 0.76, 0.02
HSL	346°, 100%, 49%
HSV	346°, 100%, 98%
XYZ	40.2400, 20.6502, 6.1400
YIQ	81.5900, 129.7400, 71.6600

Conversions

Conversions Part 2

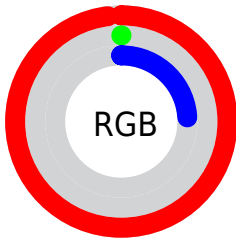
Format	Color
R_{YB}	250, 0, 60
Decimal	16384060
CIE Lab	52.56, 79.91, 41.52
CIE LCh	53, 90.049, 27.457
Yxy	20.6502, 0.6003, 0.3081
Android (android.graphics.Color)	4294574140 (0xFFFA003C)
YUV	81.5900, -10.6439, 147.6956
Hunter-Lab	45.4425, 78.5400, 23.7987

Details

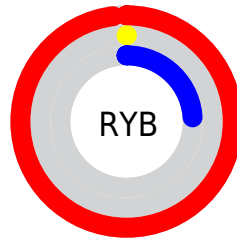
The XYZ color **40.2400, 20.6502, 6.1400** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **43.4873, 72.0917, 60.3739**, and the grayscale version is **7.9474, 8.3613, 9.1055**.

A 20% lighter version of the original color is **48.1296, 30.7085, 17.5780**, and **19.8763, 10.2340, 1.5000** is the 20% darker color. If you saturate the color by 10%, you get **40.2385, 20.6496, 6.1334**, and if you desaturate by 10%, it is **41.1846, 21.5864, 9.3941**.

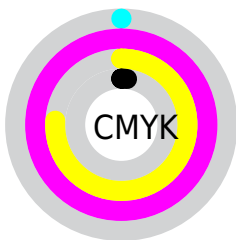
Distribution



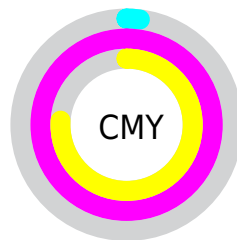
- Red (98%)
- Green (0%)
- Blue (24%)



- Red (98%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2400, 20.6502, 6.1400 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 40.2400, 20.6502, 6.1400 by changing the saturation by 10% instead.


 40.2400, 20.6502,
6.1400


 40.2400, 20.6502,
6.1400


338.2512,
255.4136, 169.6635


 27.9108, 12.8686,
2.8602


 74.8109, 44.5046,
18.7035

 18.3985, 7.3381,
1.0237


 97.7832, 61.3462,
28.8242

 11.3379, 3.6744,
0.0000


 125.0339, 81.9766,
42.0624

 6.3635, 1.4932,
0.0000

 156.9284,
106.7801, 58.8365

 3.1101, 0.2839,
0.0000

 193.8321,
136.1411, 79.5652

 1.2123, 0.0000,
0.0000

 236.1102,

 0.1160, 0.0000,

170.4442, 104.6668

0.0000

284.1281,
210.0735, 134.5601

■ 0.0000, 0.0000,
0.0000

■ 40.2400, 20.6502,
6.1400

■ 40.2400, 20.6502,
6.1400

■ 40.2385, 20.6496,
6.1334

■ 41.1846, 21.5864,
9.3941

■ 42.7725, 23.4925,
13.8379

■ 45.1562, 26.6493,
19.5980

■ 48.4327, 31.2284,
26.7748

■ 52.6841, 37.3744,
35.4582

■ 57.9833, 45.2138,
45.7302

■ 64.3957, 54.8601,
57.6667

■ 71.9814, 66.4169,
71.3385

■ 80.7962, 79.9802,
86.8123

Harmonies

Analogous

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



43.5603, 20.6502, 24.8424



40.2400, 20.6502, 6.1400



30.9469, 20.6502, 1.0305

Triad

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



40.2400, 20.6502, 6.1400



8.0553, 20.6502, 4.6234



18.8420, 20.6502, 122.7877

Complementary

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



40.2400, 20.6502, 6.1400



43.4873, 72.0917, 60.3739

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.



11.4717, 20.6502, 99.5664



40.2400, 20.6502, 6.1400



6.6062, 20.6502, 20.2809

Square

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



40.2400, 20.6502, 6.1400



12.4628, 20.6502, 0.7497



7.6236, 20.6502, 55.4711



29.1163, 20.6502, 105.8417

Rectangle

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



40.2400, 20.6502, 6.1400



23.7873, 20.6502, 0.1908



7.6236, 20.6502, 55.4711



15.9832, 20.6502, 119.1777

Sweetspot

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



40.2405, 20.6515, 6.1403



67.3204, 57.3243, 60.2471



37.8758, 17.5334, 91.8300



13.7727, 11.3083, 11.7218



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.



40.2405, 20.6515, 6.1403



42.0864, 21.5986, 6.3871



41.1770, 23.8291, 2.4310



17.4152, 17.2934, 18.7763



21.3904, 10.9719, 3.4986



2.0207, 1.0320, 0.5326

Inverse Universe

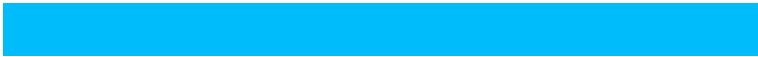
The Inverse Universe completely reimagines the original color for something new.



40.2405, 20.6515, 6.1403



42.0864, 21.5986, 6.3871



35.1359, 42.6622, 96.8248



17.4152, 17.2934, 18.7763



21.3904, 10.9719, 3.4986



2.0207, 1.0320, 0.5326

Previews

White Background



This preview shows how the XYZ color 40.2400, 20.6502, 6.1400 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 40.2400, 20.6502, 6.1400 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 40.2400, 20.6502, 6.1400

Background



This preview shows how black text looks on a background with the XYZ color 40.2400, 20.6502, 6.1400.



This preview shows how white text looks on a background with the XYZ color 40.2400, 20.6502,

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

40.2400, 20.6502, 6.1400

Protanopia

19.7942, 21.2524, 12.9564

Deuteranopia

21.4116, 21.1333, 5.4332



Tritanopia

39.4938, 20.8667, 2.3616

Trichromacy



Original Color

40.2400, 20.6502, 6.1400



Protanomaly

22.7505, 15.9290, 9.4649



Deuteranomaly

24.7155, 16.6144, 4.9219



Tritanomaly

39.4995, 20.6092, 3.1924

Monochromacy



Original Color

40.2400, 20.6502, 6.1400



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.7917, 8.7900, 7.4483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2400, 20.6502, 6.1400 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(250, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 60)  
}
```

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(250, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 60) }
```

Border

The CSS property to change the border of an element to XYZ 40.2400, 20.6502, 6.1400 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(250, 0, 60) }
```


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

```
.border{ border-color:rgb(250, 0, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.2400, 20.6502, 6.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 60) }
```

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

```
.background{ background-color: rgb(250, 0,  
60) }
```

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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