

Converting Colors

XYZ(32.1221, 16.4143, 8.0662)

Have a look what the booklet for
XYZ(32.1221, 16.4143, 8.0662)
contains.

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Color

**XYZ(32.0105, 16.3553,
8.1264)**

Conversions

Conversions Part 1

Format	Color
Hex	E0004B
RGB	224, 0, 75
RGB Percent	88%, 0%, 29%
CMY	0.1216, 0.9998, 0.7059
CMYK	0.00, 1.00, 0.67, 0.12
HSL	340°, 100%, 44%
HSV	340°, 100%, 88%
XYZ	32.0105, 16.3553, 8.1264
YIQ	75.5260, 109.4290, 70.8130

Conversions

Conversions Part 2

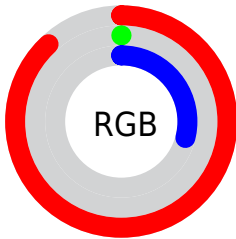
Format	Color
R_{YB}	224, 0, 75
Decimal	14680139
CIE _{Lab}	47.44, 74.44, 25.17
CIE _{LCh}	47, 78.577, 18.681
Yxy	16.3553, 0.5666, 0.2895
Android (android.graphics.Color)	4292870219 (0xFFE0004B)
YUV	75.5260, -0.2593, 130.2117
Hunter-Lab	40.4417, 70.5138, 16.3954

Details

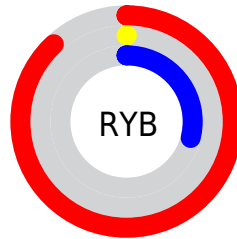
The XYZ color **32.0105, 16.3553, 8.1264** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **32.0849, 55.4829, 37.4729**, and the grayscale version is **6.7746, 7.1274, 7.7617**.

A 20% lighter version of the original color is **48.5562, 30.1722, 22.0035**, and **14.7579, 7.5779, 2.0513** is the 20% darker color. If you saturate the color by 10%, you get **32.0092, 16.3548, 8.1203**, and if you desaturate by 10%, it is **32.8773, 17.1750, 11.2337**.

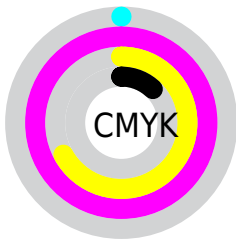
Distribution



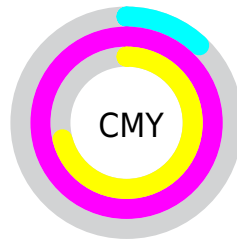
- Red (88%)
- Green (0%)
- Blue (29%)



- Red (88%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0105, 16.3553, 8.1264 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 32.0105, 16.3553, 8.1264 by changing the saturation by 10% instead.


 32.0105, 16.3553,
8.1264


 32.0105, 16.3553,
8.1264


302.9115,
231.4292, 186.6916

 21.5251, 9.7759,
4.0870


 62.1926, 37.2139,
22.7561


 13.6230, 5.2506,
1.6732


 82.6201, 52.2620,
34.1835

 7.9389, 2.3951,
0.3423

 107.0923, 70.9017,
48.9107

 4.1073, 0.8233,
0.0000

 135.9745, 93.5175,
67.3561

 1.7630, 0.0000,
0.0000

 169.6322,
120.4937, 89.9384

 0.4952, 0.0000,
0.0000

 208.4307,

 0.0000, 0.0000,

152.2148, 117.0760

0.0000

252.7354,
189.0652, 149.1876

■ 32.0105, 16.3553,
8.1264

■ 32.0105, 16.3553,
8.1264

■ 32.0092, 16.3548,
8.1203

■ 32.8773, 17.1750,
11.2337

■ 34.2129, 18.7286,
15.1244

■ 36.1350, 21.2404,
19.8726

■ 38.7131, 24.8391,
25.5333

■ 42.0063, 29.6332,
32.1564

■ 46.0667, 35.7178,
39.7875

■ 50.9415, 43.1784,
48.4689

■ 56.6738, 52.0931,
58.2405

■ 63.3036, 62.5343,
69.1399

Harmonies

Analogous

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



32.7369, 16.3553, 26.4531



32.0105, 16.3553, 8.1264



26.1786, 16.3553, 1.7382

Triad

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



32.0105, 16.3553, 8.1264



7.4960, 16.3553, 2.5867



13.0605, 16.3553, 88.1801

Complementary

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



32.0105, 16.3553, 8.1264



32.0849, 55.4829, 37.4729

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.



8.2695, 16.3553, 64.9856



32.0105, 16.3553, 8.1264



5.7593, 16.3553, 11.2875

Square

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



32.0105, 16.3553, 8.1264



11.6356, 16.3553, 0.5139



5.9921, 16.3553, 33.1478



20.2451, 16.3553, 84.5259

Rectangle

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



32.0105, 16.3553, 8.1264



20.9442, 16.3553, 0.6004



5.9921, 16.3553, 33.1478



11.1643, 16.3553, 82.8309

Sweetspot

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



32.0109, 16.3563, 8.1266



68.1715, 57.6647, 64.7286



25.2412, 11.4589, 71.4021



13.9701, 11.3873, 12.7615



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.



32.0109, 16.3563, 8.1266



42.8933, 21.9213, 10.6362



31.3025, 16.9711, 1.6274



13.8955, 13.7758, 15.2199



18.6796, 9.5389, 4.9788



1.3354, 0.6774, 0.5590

Inverse Universe

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



32.0109, 16.3563, 8.1266



42.8933, 21.9213, 10.6362



31.9569, 42.3857, 77.0176



13.8955, 13.7758, 15.2199



18.6796, 9.5389, 4.9788



1.3354, 0.6774, 0.5590

Previews

White Background



This preview shows how the XYZ color 32.0105, 16.3553, 8.1264 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

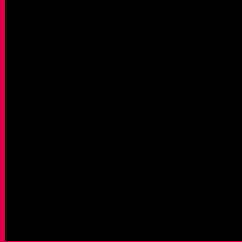
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.0105, 16.3553, 8.1264

Background



This preview shows how black text looks on a background with the XYZ color 32.0105, 16.3553, 8.1264.



This preview shows how white text looks on a background with the XYZ color 32.0105, 16.3553,

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

32.0105, 16.3553, 8.1264

Protanopia

16.1679, 16.9423, 17.1699

Deuteranopia

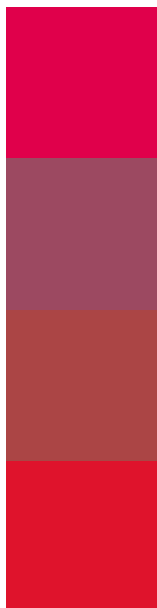
17.2380, 16.8944, 7.3534



Tritanopia

31.0822, 16.6911, 2.5608

Trichromacy



Original Color

32.0105, 16.3553, 8.1264

Protanomaly

18.2505, 12.6961, 12.7979

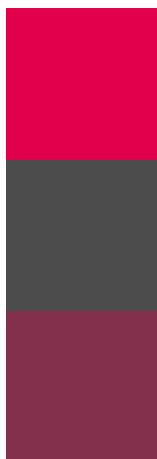
Deuteranomaly

19.9969, 13.3438, 7.1519

Tritanomaly

31.1189, 16.3356, 3.8958

Monochromacy



Original Color

32.0105, 16.3553, 8.1264

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.5674, 7.3815, 7.6526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0105, 16.3553, 8.1264 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(224, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 75)  
}
```

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(224, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 75) }
```

Border

The CSS property to change the border of an element to XYZ 32.0105, 16.3553, 8.1264 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(224, 0, 75) }
```


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

```
.border{ border-color:rgb(224, 0, 75) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.0105, 16.3553, 8.1264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 75) }
```

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

```
.background{ background-color: rgb(224, 0,  
75) }
```

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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